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UNITED STATES DEPARTMENT OF AGRICULTURE,  
FOREST SERVICE,  
WILLIAM B. GREELEY, Forester.

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# SERVICE DIRECTORY.

October, 1921.

This directory is issued semiannually, and is for the exclusive use of members of the Service and cooperating bureaus.

Unless otherwise indicated, the officers in charge of the individual Forests are forest supervisors, and those in charge of the individual Ranger Districts are forest rangers.

The express address of the ranger district is the same as the headquarters unless otherwise indicated.

(WU) indicates Western Union; (P) Postal; (C) Continental.

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## OFFICE OF THE FORESTER.

WILLIAM B. GREELEY, Forester.

EDWARD A. SHERMAN, Associate Forester.

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## FINANCE AND ACCOUNTS.

H. I. LOVING, Chief of Finance and Accounts.

TRANSPORTATION.—M. B. Baldenburg.

APPOINTMENT RECORDS.—Blanche A. Judson.

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## OPERATION.

ROY HEADLEY, assistant forester; Paul D. Kelleter, forest inspector; G. G. Anderson, assistant in personnel; Evan W. Kelley, inspector.

MAINTENANCE.—G. M. Randal.

PURCHASE.—R. A. Dunnington.

SUPPLIES.—S. L. McLaurin.

SUPPLY DEPOT, OGDEN, UTAH.—J. G. Falck.

## FOREST MANAGEMENT.

E. E. CARTER, assistant forester; Harry Irion, office assistant.

COOPERATION WITH PRIVATE TIMBERLAND OWNERS.—A. Cary, logging engineer.

WESTERN DIVISION.—J. F. Preston and ———, forest inspectors.

EASTERN DIVISION.—J. G. Peters and R. C. Staebner, forest inspectors; C. R. Tillotson, forest examiner.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—J. G. Peters; L. S. Murphy, J. A. Mitchell, and G. T. Backus (Asheville, N. C.), forest examiners.

FARM FORESTRY.—W. R. Mattoon, forest examiner.

COMPILATION OF STATE FORESTRY LAWS.—Miss J. S. Peyton.

## GRAZING.

WILL C. BARNES, assistant forester; C. E. Rachford, inspector of grazing.

GRAZING STUDIES (in cooperation with F. V. Coville, botanist, Bureau of Plant Industry).—William R. Chapline, inspector of grazing; Clarence L. Forsling, grazing examiner.

FOREST INVESTIGATIONS.—William A. Dayton, plant ecologist.

RANGE RESERVE EXPERIMENTS.—Jornada Reserve: Enoch W. Nelson, grazing examiner, Las Cruces, N. Mex.; Matt. J. Culley, grazing assistant. Santa Rita Reserve: R. R. Hill, grazing examiner, Tuscon, Ariz.

## LANDS.

L. F. KNEIPP, assistant forester.

OCCUPANCY.—C. H. Squire, inspector of lands.

CLASSIFICATION.—W. J. Mangan, executive assistant.

ACQUISITION.—W. W. Ashe, forest inspector.

## RESEARCH.

EARLE H. CLAPP, assistant forester; Raphael Zon, forest economist; Ward Shepard, general assistant; Harry Irion, office assistant.

DENDROLOGY.—George B. Sudworth, dendrologist.

FOREST INVESTIGATIONS.—J. Kittredge, jr., acting.

FOREST MEASUREMENTS.—R. M. Brown.

LIBRARY.—Miss H. E. Stockbridge.

COMPILATION.—Miss E. B. Leech.

**Forest Experiment Stations:**

CLOQUET (in cooperation with the University of Minnesota).— ———, Cloquet, Minn.

PRIEST RIVER, KANIKSU NATIONAL FOREST.—R. H. Weidman and Julius A. Larsen, forest examiners, Priest River, Idaho.

FREEMONT, PIKE NATIONAL FOREST.—C. G. Bates, silviculturist, Box 1063, Colorado Springs, Colo.

WAGON WHEEL GAP, RIO GRANDE NATIONAL FOREST (in cooperation with the Weather Bureau).—Edwin H. Jones, Wagon Wheel Gap, Colo.

FORT VALLEY, COCONINO NATIONAL FOREST.—G. A. Pearson, silviculturist, Flagstaff, Ariz., Herman Krauch, forest examiner.

———. — E. N. Munns, forest examiner, San Francisco, Calif.

WIND RIVER, COLUMBIA NATIONAL FOREST.—Julius V. Hofmann, forest examiner, Stabler (railroad point, Carson), Wash.

APPALACHIAN.—E. H. Frothingham and E. F. McCarthy, silviculturists, Asheville, N. C.; C. F. Kørstian and F. W. Haasis, forest examiners.

SOUTHERN.—R. D. Forbes, director; Lenthal Wyman, forest examiner, W. R. B. Hine, forest assistant.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—Carlile P. Winslow, director; O. M. Butler, assistant director; H. D. Tiemann, dry-kiln specialist.

Publication of Results.—Ray C. Tuttle, acting: E. P. Aneona.

DERIVED PRODUCTS.—L. F. Hawley.

Distillation and Naval Stores.—L. F. Hawley, Howard N. Calderwood, C. E. Rupp.

Wood Preservatives.—Ernest Bateman, Carlton Henningsen.

Ethyl Alcohol.—E. C. Sherrard, G. W. Blaneo, W. H. Gauger.

Cellulose Chemistry.— ———, Geo. J. Ritter, L. C. Fleck.

PULP AND PAPER.—John D. Rue.

Soda and Sulphate Processes.—Sidney D. Wells, L. N. Ericksen.

Sulphite Process.—R. N. Miller, W. H. Swanson.

Bleaching Process.—C. E. Curran, R. H. Grabow.

Chemistry of Pulps.—M. W. Bray, J. A. Staidl.

Pulp and Pulpwood Decay.—M. W. Bray, J. A. Staidl.

TIMBER MECHANICS.—J. A. Newlin; L. J. Markwardt, assistant; T. R. C. Wilson, John M. Gahagan.

Comparison of Species.—L. J. Markwardt, R. F. Luxford.

Effect of Treatment on Strength.—T. R. C. Wilson, R. P. A. Johnson.

Fabricated Articles.—Geo. E. Heck.

Plywood Strength.—L. J. Markwardt, H. S. Grenoble, James R. McAteer.

Structural Timbers.—J. A. Newlin.

Aircraft Study.—J. A. Newlin, G. W. Trayer.

Container Investigations.—C. A. Plaskett, W. H. Saeket, J. G. Woodburn, I. B. Lamphier, T. A. Carlson, C. M. Haines.

TIMBER PHYSICS.—Rolf Thelen; A. Koehler, assistant.

Kiln Drying.—Rolf Thelen, J. D. Studley, W. K. Loughborough, A. Hermann, C. A. Menzel, A. C. Knauss, E. C. Peck.

Wood Technology.—A. Koehler, Miss Eloise Gerry, B. D. Dain, Miss Gertrude Griffin, M. C. Jensen.

- WOOD PRESERVATION.—George M. Hunt; A. L. Heim, assistant.  
 Laminated Wood Studies.—T. R. Truax, R. M. Wirka.  
 Glues and Plywood.—Matthew E. Dunlap, W. L. Jones, Alfred C. Lindauer, C. A. Harrison.  
 Preservation.—J. D. MacLean, Carl E. Muller.  
 INDUSTRIAL INVESTIGATIONS.—Arthur T. Upson.  
 Specifications and Grades.—D. G. White, E. P. Ivory.  
 Dimension Stock Study.—A. O. Benson, R. M. Volkert, J. I. Steel, J. W. Medley, P. L. Ginter.  
 Wood Waste Utilization.—Arthur T. Upson, A. O. Benson.  
 Spark Arrester Study.—J. S. Matthewson.  
 PATHOLOGY (in cooperation with Bureau of Plant Industry).—R. H. Colley, in charge; C. J. Humphrey, E. E. Hubert, Miss C. Audrey Richards, —, ———.  
 LABORATORY OPERATION.—C. V. Maudlin; Charles P. Juckem, administrative assistant.  
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 ACCOUNTS.—M. E. Fagan, fiscal agent; W. E. Thompson.  
 FOREST PRODUCTS.—H. S. Betts; W. D. Brush, R. K. Helphenstine, jr., John B. Cuno.  
 ECONOMIC INVESTIGATIONS.————; W. N. Sparhawk, R. V. Reynolds, A. H. Pierson, C. W. Boyce. A. B. Strough, collaborator, Albany, N. Y.

## ENGINEERING.

- T. W. NORCROSS, chief engineer; F. E. Bonner and G. H. Lautz, assistant chief engineers.  
 ROADS.—F. E. Bonner.  
 WATER POWER.—T. W. Norcross.  
 MAPS AND SURVEYS.—G. H. Lautz; C. A. Kolb, geographer.  
 Atlas.—G. B. Bruce.  
 Drafting.—J. M. Witherow.  
 Engraving.—T. S. Brock.  
 Photography.—E. S. Shipp.

## PUBLIC RELATIONS.

- HERBERT A. SMITH, assistant forester; W. I. Hutchinson, forest inspector and assistant chief.  
 INFORMATION.—W. I. Hutchinson.  
 PUBLICATION.—C. M. Ballard, chief; A. C. Watkins, assistant editor.  
 PRINTING.—Edward Burkholder.  
 EXHIBITS AND MOTION PICTURES.—C. A. Lindstrom.



## DISTRICT 1.

### NORTHERN DISTRICT.

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota. Office, Federal Building, Missoula, Mont.

FRED MORRELL, district forester.

PUBLIC RELATIONS.—K. D. Swan, acting.

LAW.—Office of the Solicitor (Forest Service branch). John M. Burns, assistant to the solicitor.

ACCOUNTS.—O. M. Wold, chief of office and fiscal agent; Chas. A. Skeels, district fiscal agent.

OPERATION.—L. C. Stockdale, assistant district forester; G. I. Porter, executive assistant; E. F. White, personnel training and studies.

FIRE PROTECTION.—Howard R. Flint, forest examiner.

IMPROVEMENTS.—D. L. Beatty, national forest examiner; R. B. Adams, telephone engineer.

LAW ENFORCEMENT.—P. J. O'Brien.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—R. N. Cunningham.

MAINTENANCE.—O. C. Bradeen.

FOREST MANAGEMENT.—Elers Koch, assistant district forester; M. H. Wolff, forest examiner.

LOGGING ENGINEERING.—J. W. Girard, U. S. Swartz, F. J. Klobucher.

TIMBER SALES.—Field Supervision, C. E. Knouf, lumberman.

PLANTING.—D. S. Olson, planting assistant, Haugan, Mont. Savenac Nursery, G. W. Jones, Haugan, Mont., forest examiner; W. G. Wahlenburg, forest assistant.

PRODUCTS.—S. V. Fullaway, jr., and C. N. Whitney, forest examiners.

FOREST INVESTIGATIONS.—W. C. Lowdermilk, forest examiner.

GRAZING.—Glen A. Smith, assistant district forester; L. C. Hurtt, inspector of grazing.

STUDIES.—L. C. Hurtt, inspector of grazing; H. W. Elofson, grazing assistant.

LANDS.—D. F. McGowan, assistant district forester.

LAND EXCHANGE.—Harry G. Ade, National forest examiner.

LAND CLASSIFICATION.—Harry G. Ade.

CLAIMS.—W. H. M. Woodward, mineral examiner; C. A. McElroy, land examiner.

RECREATION.—Jean Ewen, surveyor-draughtsman.

ENGINEERING.—F. E. Thieme, district engineer.

MAPS AND SURVEYS.—J. B. Yule.

Topographic Surveys.—J. B. Yule.

Drafting.—Frank J. Cool.

Photography.—Frank J. Cool.

Entry Surveys.—W. P. Stephenson.

ROADS.—F. E. Thieme, H. A. Calkins.

WATER POWER.—E. W. Kramer.

## NATIONAL FORESTS.

## IDAHO.

**Clearwater.**—Lloyd G. Hornby, Orofino (WU); Paul A. Wohlen, fire assistant; Claud E. Sutton, forest examiner; H. R. Snider, forest ranger; Philip M. Lamoreux, senior clerk.

*Ranger District: Musselshell.*—Paul H. Gerrard, Weippe (Exp. Orofino).

*Oxford.*—J. C. Urquhart, Pierce (Exp. Orofino).

*Chamberlain Meadow.*—L. R. Vanirsdale, Orofino.

*Fish Lake.*—W. E. Buckingham, Orofino.

**Coeur d'Alene.**—Charles K. McHarg, Coeur d'Alene (WU); Carlyn C. Delavan, fire assistant; Philip Neff, lumberman; James F. Brooks, national forest examiner; Frank L. Tobey and M. I. Bradner, forest assistants; Karl J. George, senior clerk.

*Ranger District: River.*—Edward C. Pulaski, Wallace.

*Lake.*—Edward H. Coulson, forest assistant, Coeur d'Alene.

*Little North Fork.*—Ralph H. Parsons, Coeur d'Alene.

*Magee.*—E. D. Eiselstein, Coeur d'Alene.

*North Fork.*—Wallace L. Belvail, Prichard (Exp. Enaville).

*Nelson.*—F. W. Schumacher, Carter (Exp. Enaville).

**Kaniksu.**—Joseph A. Fitzwater, Sandpoint (WU); James E. Ryan, forest supervisor; Charles R. Clark, forest examiner; Frank Foltz, fire assistant; Howard Drake, lumberman; Henry K. Nichols, senior clerk.

*Ranger District: Falls.*—Laurence D. Dunn, forest assistant, Priest River.

*Priest Lake.*—James K. Ward, Coolin.

*Sullivan Lake.*—Arthur E. Pauley, Ione, Wash.

*Experiment Station.*—Gerhard Kempff, Priest River.

*Newport.*—M. F. Kelley, Newport, Wash.

**Nezperce.**—Adrian C. Adams, Grangeville (WU); Clyde P. Fickes and Thomas Crossley, deputy forest supervisors; A. J. Devan, fire assistant; George V. Ring, forest ranger; William M. Noble, senior clerk.

*Ranger District: Salmon River.*—William H. Deasy, Riggins (Exp. Grangeville).

*Hump.*—William M. Gregg, Whitebird (Exp. Grangeville).

*Clearwater.*—Vernon L. Collins, Grangeville.

*Elk City.*—James W. Dyar, Elk City (Exp. Stites).

**Pend Oreille.**—Joseph A. Fitzwater, Sandpoint (WU); John E. Breen, deputy forest supervisor; Ray R. Fitting, fire assistant; G. M. De Jarnette, forest assistant; Walter W. Swartz, senior clerk.

*Ranger District: Clarksfork.*—C. E. Middleton, Clarksfork.

*Lake.*—John J. Murray, Belmont (Exp. Bayview).

*Naples.*—Francis L. Mackey, Naples.

*Moyie.*—W. O. Blackman, Sinclair (Exp. Snyder).

*Port Hill.*—F. B. Cassler, Copeland.

**Selway.**—Frank J. Jefferson, Kooskia (WU); Francis T. Carroll, fire assistant; C. F. Makibbin, forest assistant; Miles L. Marsh, senior clerk.

*Ranger District: Middle Fork, No. 1.*—Charles A. McGregor, Kooskia.

*Goddard Project.*—S. I. McPherson, Lowell (Exp. Kooskia).

*Fish Lake.*—Elmer S. Walde, Kooskia.

*Meadow Creek.*—John F. Rice, Kooskia.

*Moose Creek.*—Jack A. Parsell, Kooskia.



**St. Joe.**—Charles K. McHarg, Coeur d'Alene (WU); Wallace W. Weber, forest supervisor; Ashley J. Roche, fire assistant; Miles R. Robbins, senior clerk.

*Ranger District: Palouse.*—William H. Daus, Princeton.

*Avery.*—Clyde D. Blake, Avery; J. F. Mahoney.

*Roundtop.*—Franklin Girard, Avery.

*Pole Mountain.*—C. E. Bradner, Avery.

#### MONTANA.

**Absaroka.**—Ernest W. Shaw, Livingston (WU); Ernest T. Wolf, forest examiner; E. M. Kapp, senior clerk.

*Ranger District: Deer Creek.*—Louis E. Ewan, jr., Greycliff.

*Main Boulder.*—Harry S. Kaufman, McLeod (Exp. Big Timber).

*West Boulder.*—Louis C. Regan, McLeod (Exp. Livingston).

*Yellowstone.*—Eric P. White, Carbella.

*Park.*—H. M. Crane, Gardiner.

*Big Timber.*—H. B. Yerkes, Big Timber.

*Cottonwood.*—Jonathan S. Winder, Lebo (Exp. Martinsdale).

*Shields.*—Arthur D. Moir, jr., Wilsall.

**Beartooth.**—R. Trevor Furgeson, Billings (WU); William L. Lay, deputy forest supervisor; Mary E. Parr, senior clerk.

*Ranger District: Rock Creek.*—Floyd I. Dewald, Red Lodge.

*Rosebud.*—Ernest R. Vick, Luther (Exp. Red Lodge).

*Stillwater.*—Jay J. McGlynn, Limestone (Exp. Columbus).

*Pryor.*—Guy O'Neil, Bowler (Exp. Bridger).

**Beaverhead.**—John B. Somers, Dillon (WU); R. W. Beeson, grazing assistant; Fred P. Simons, senior clerk.

*Ranger District: Melrose.*—John W. Long, Melrose.

*Wisdom.*—A. W. Vogelsang, Wisdom (Exp. Divide).

*Jackson.*—John A. Ogden, Jackson (Exp. Dillon).

*Argenta.*—H. B. Brown, Argenta (Exp. Dillon).

*Horse Prairie.*—August A. Schroeder, Grant.

*Sheep Creek.*—C. W. Griffith, Dell.

*Battlefield.*—Marshall G. Ramsey, Wisdom (Exp. Divide).

*Wise River.*—Phillip A. Clack, Wise River.

**Bitterroot.**—Wilfred W. White, Missoula (WU, P, C), Mallory N. Stickney, forest supervisor; William M. Nagel, forest examiner; John H. Clack and J. P. Brown, fire assistants; Ethel M. Wilson, senior clerk.

*Ranger District: Stevensville.*—Donald B. McGregor, Stevensville.

*Corvallis.*—Winthrop H. Young, Corvallis.

*Darby.*—Nathaniel E. Wilkerson, Darby.

*Ross Hole.*—Clyde W. Shockley, Sula.

*West Fork.*—Curtis Matteson, Darby.

*Salmon Mountain.*—James D. Vance, Darby.

*Bear Creek.*—Thomas J. Donica, Darby.

*Elk Summit.*—William J. Bell, Hamilton.

**Blackfeet.**—Joseph D. Warner, Kalispell (WU); Eldon H. Myrick, forest supervisor; Remington Ellis, forest assistant; Rose M. Almini, senior clerk.

*Ranger District: Upper North Fork.*—George R. Steppler, Polebridge (Exp. Columbia Falls).

*Lower North Fork.*—Charles H. Lawrence, Columbia Falls.

*Olney.*—John M. Brocken, Olney (Exp. Stryker).

*Fortine.*—Irving R. Jensen, Trego (Exp. Fortine).

*Tally Lake.*—Paul F. Redlingshafer, Whitefish.

**Cabinet.**—Harry L. Baker, Thompson Falls (WU); John S. Bowen, fire assistant; Carl H. Siria and George W. Buxton, forest rangers; Harry Sperling, senior clerk.

*Ranger District: Thompson River.*—Harry F. Ransom, Marion.

*Thompson Plains.*—Fred E. Brown, Thompson Falls.

*Trout Creek.*—Howard R. Larsen, Larchwood (Exp. Trout Creek).

*Noxon-Bull River.*—Benjamin F. Saint, Noxon.

**Custer.**—James C. Whitham, Miles City (WU, C); Wm. E. Lockhart, deputy forest supervisor; E. W. Hartwell, forest examiner; Elsie M. Ruppert, senior clerk.

*Ranger District: Ekalaka.*—Jacob O. Thompson, Ekalaka (Exp. Miles City).

*Long Pine.*—James N. Templer, Camp Crook, S. Dak. (Exp. Miles City).

*Short Pine.*—L. W. Shevling, forest guard, Harding, S. Dak. (Exp. Miles City).

*Slim Buttes.*—Minor G. Harvey, Gill, S. Dak. (Exp. Miles City).

*Cave Hills.*—Otto E. York, Cox, S. Dak. (Exp. Miles City).

*Whitetail.*—Glen L. Dodge, Stacey (Exp. Miles City).

*Twenty Mile.*—Warren Akers, Otter (Exp. Miles City).

*Otter.*—Robert B. Rolfe, Otter (Exp. Miles City).

*Poker Jim.*—Glen Flathers, Otter (Exp. Miles City).

**Deerlodge.**—Fay G. Clark, Butte (WU, P, C); William L. Baldwin and Thomas A. Clapp, deputy forest supervisors; John C. Kettridge, forest examiner; Olive Leaf, senior clerk.

*Ranger District: Deer Lodge.*—Lorenzo D. Williamson, Deer Lodge.

*Warm Springs.*—Edward W. Kurtz, Anaconda.

*Big Hole.*—Ashley W. Kurtz, Fishtrap (Exp. Anaconda).

*German Gulch.*—Albert E. Cole, Gregson.

*Fleecer.*—W. V. Jefferson, Silver Bow.

*Butte.*—W. F. Simons, Butte.

*Pipestone.*—Murray E. Skillman, Grace.

*Whitetail.*—George Grigg, Whitehall.

*Boulder.*—Harvey H. Mills, Basin.

**Flathead.**—Joseph D. Warner, Kalispell (WU); Kenneth Wolfe, forest supervisor; Harold L. Redlingshafer, deputy forest supervisor; Clyde S. Webb and Alfred L. Rossman, lumbermen; Charles J. Hash and Harold L. Redlingshafer, fire assistants; Elizabeth P. Dill, senior clerk.

*Ranger District: Essex.*—Orin U. Clover, Essex.

*Coram.*—James E. Ready, Coram.

*Echo.*—John E. Thompson, Creston (Exp. Kalispell).

*Spotted Bear.*—Henry Thol, Coram.

*Big River.*—James E. Adams, Essex.

*Lower South Fork.*—Ansley E. Hutchinson, Coram.

*Lower Swan.*—A. J. Halvorson, Swan Lake (Exp. Kalispell).

*Upper Swan.*—E. H. Billsborough, Swan Lake (Exp. Kalispell).

*Upper South Fork.*—Ray I. Trueman, Coram.

**Gallatin.**—Burr W. Clark, Bozeman (WU, C); D. C. Poshusta, grazing assistant; Edward J. Hoel, senior clerk.

*Ranger District: Upper Gallatin.*—Joseph E. Callahan, Eldridge (Exp. Salesville).

*Squaw Creek.*—W. A. Chipperfield, Salesville.

*Middle Creek.*—Albert H. Nee, Bozeman.

*Yellowstone.*—Lester H. McLean, Emigrant.

*Bridger.*—Edward F. Foreman, Bozeman.

*Flathead.*—Fred E. Ainger, Wilsall.

**Helena.**—Arthur H. Abbott, Helena (WU, P); Guy M. Brandborg, deputy forest supervisor; Wellington I. White, forest examiner; Gladys I. Jackson, senior clerk.

*Ranger District: Deep Creek.*—Earl V. Welton, Townsend.

*Duck Creek.*—Bertram A. Goodman, Canton (Exp. Townsend).

*Smith River.*—John D. Gruar, Watson (Exp. White Sulphur Springs).

*Nelson.*—Calvin E. Barriek, Nelson (Exp. Helena).

*McClellan.*—C. F. Martineau, Clancy.

*Crow Creek.*—Ray M. Kingsley, Radersburg (Exp. Toston).

*Helena.*—David H. Lewis, Helena.

*Blackfeet.*—M. D. Mizner, Elliston.

**Jefferson.**—Wilford B. Willey, Great Falls (WU, P, C); Adolph Weholt, deputy forest supervisor; C. B. Swin, national forest examiner; Ella M. Trieckler, senior clerk.

*Ranger District: Tenderfoot.*—A. L. Giddings, Monarch.

*Belt Creek.*—S. C. Sanderson, Neihart.

*Dry Wolf.*—Ralph E. Dickinson, Stanford.

*Judith River.*—Thomas G. Myers, Utica (Exp. Hobson).

*East End and West Snowies.*—David Lake, Judith Gap.

*Mussellshell.*—John P. Bonham, Martinsdale.

*Sheep Creek.*—Emery E. Wilson, White Sulphur Springs.

*Castle Mountains.*—W. M. Laybourn, White Sulphur Springs.

*Snowy Mountains East.*—Leon L. Lake, Heath.

*Highwood Mountains.*—Stacey Eckert, Highwood.

*Little Rockies.*—A. W. Armstrong, Zortman (Exp. Dodson).

**Kootenai.**—Leslie F. Vinal, Libbey (WU); Justin K. Dwinelle, fire assistant; Ralph A. Fletcher, forest assistant; Adelaide Erdman, senior clerk.

*Ranger District: Upper Yaak.*—John P. Baldwin, Troy.

*Lower Yaak.*—John D. Brooks, Troy.

*Cabinet.*—E. A. Woods, Troy.

*Libby.*—Perry R. Rogers, Libby.

*Swamp Creek.*—Howard McGill, Libby.

*Pleasant Valley.*—Alvin E. Beckwith, Manicke (Exp. Libby).

*Warland.*—Leland E. Tripp, Warland.

*Rexford.*—L. H. Brown, Rexford.

*Pipe Creek.*—Frank H. Pillsbury, Libby.

**Lewis and Clark.**—Wilford B. Willey, Great Falls (WU, P, C); Edward J. Yeomans and William M. Rush, forest supervisors.

*Ranger District: Lubec.*—J. C. De Groat, Glacier Park.

*Teton.*—C. A. Butler, Choteau.

*Sun River.*—Arthur F. Bateman, Gilman.

*Willow Creek.*—Harry H. Halvorson, Augusta (Exp. Gilman).

*Dearborn.*—Francis S. Garl, Augusta (Exp. Gilman).

*Blackleaf.*———, Blackleaf (Exp. Bynum).

**Lolo.**—Wilfred W. White, Missoula (WU, P, C); Arthur M. Baum and Roy A. Phillips, forest supervisors; Ross A. Williams, forest assistant; Louise F. Williams, senior clerk.

*Ranger District: Lolo.*—Edward Mackay, Lolo.

*Frenchtown.*—A. T. Macnab, Frenchtown.

*Quartz.*—George H. Hankinson, Tarkio.

*Superior.*—L. F. Jefferson, Superior.

*Savenac.*—Frank D. Haun, Haugan.

*St. Regis.*—Bert Harris, St. Regis.

**Madison.**—Walter J. Derrick, Sheridan (WU); Wm. J. McCarthy, forest assistant; Wm. A. Schowe, forest ranger; Helen C. Schmittroth, senior clerk.

*Ranger District: Sheridan.*—Harvey B. Rust, Sheridan.

*Pony.*—Claget Sanders, Pony.

*Bear Creek.*—Homer C. Bosworth, Cameron (Exp. Norris).

*Basin.*—William A. Schowe, West Yellowstone.

*Lyon.*—Arthur T. Smith, Cameron (Exp. Norris).

*Ruby.*—Ben. P. Martin, Alder.

*Wall Creek.*—Frank D. Riggle, Abe (Exp. Norris).

**Missoula.**—Wilfred W. White, Missoula (WU, P, C); Rutledge Parker, forest examiner; J. B. Halm, fire assistant; Lee Stratton, senior clerk.

*Ranger District: Philipsburg, No. 1 and No. 2.*—A. Price Townsend, deputy forest supervisor, Philipsburg; H. R. Richards.

*Bonita.*—Lewis G. Nichols, Bonita.

*Seely Lake.*—August J. Riggert, Seely Lake (Exp. Missoula).

*Monture.*—Le Baron M. Beard, Ovando (Exp. Missoula).

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## DISTRICT 2.

### ROCKY MOUNTAIN DISTRICT.

Colorado, Wyoming, South Dakota, Nebraska, northern Michigan, and northern Minnesota. Office, New Federal Building, Denver, Colo.

ALLEN S. PECK, district forester.

PUBLIC RELATIONS.—H. N. Wheeler.

LAW.—Office of the Solicitor (Forest Service branch). W. J. Ise, assistant to the solicitor.

ACCOUNTS.—Q. R. Craft, chief of office and fiscal agent; Joel I. Buckner, district fiscal agent.



**OPERATION.**—C. M. Granger, assistant district forester; John McLaren, fire protection; H. R. Kylie, telephone engineer and improvements; Peter Keplinger, training.

**STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.**—John McLaren; Theo. Shoemaker, State forester, Custer, S. Dak., collaborator.

**MAINTENANCE.**—C. A. Neeper.

**FOREST MANAGEMENT.**—M. W. Thompson, assistant district forester; J. A. Donery, lumberman.

**TIMBER SURVEYS AND INSECT CONTROL.**—W. J. Pearce, forest examiner.

**PLANTING.**—Fred R. Johnson.

**GRAZING.**—John H. Hatton, assistant district forester; Lynn H. Douglas, inspector of grazing.

**STUDIES.**—Lynn H. Douglas, inspector of grazing; Jesse M. Mann, grazing examiner.

**LANDS.**—C. J. Stahl, assistant district forester; Thos. M. Moorman, assistant; Crosby A. Hoar, classification and exchange; J. B. Cammann, mineral examiner; Arthur H. Carhart, recreation engineer.

**ENGINEERING.**—Fred D. Mendenhall, district engineer; J. L. Brownlee, assistant district engineer.

**MAPS AND SURVEYS.**—J. Burgess.

Drafting.———.

Entry Surveys.—Sylvander Simms.

Topographic Surveys.—J. Burgess, acting.

**ROADS.**—Fred D. Mendenhall; J. L. Brownlee.

**WATER POWER.**—Fred D. Mendenhall.

## NATIONAL FORESTS.

### COLORADO.

**Arapaho.**—Alve L. Richey, Hot Sulphur Springs (WU); L. C. Anderson, forest assistant; A. E. Straub, jr., senior clerk.

*Ranger District: Williams Fork.*—J. H. Williams, jr., Scholl (Exp. Parshall).

*Fraser.*—Ralph A. Polhemus, Fraser.

*Sulphur.*—J. L. Glendening, Hot Sulphur Springs.

*North Park.*—Frank R. Crow, Rand (Exp. Walden).

**Battlement.**—John W. Spencer, Grand Junction (WU); D. C. Montgomery, executive assistant.

*Ranger District: Grand River.*—E. L. Davis, Silt.

*Muddy.*—Ben G. Sucher, Paonia.

*Lakes.*—J. B. Robinson, Cedaredge (Exp. Delta).

*Mesa.*—D. E. Basham, Mesa (Exp. De Beque).

*Big Creek.*—W. F. Gilliam, Collbran.

*Buzzard.*—G. L. Sanders, Collbran.

**Cochetopa.**—Fred B. Agee, Salida (WU); Clarence E. Taylor, forest examiner; Victor H. Frey, executive assistant.

*Ranger District: Cebolla.*—Tibo Gallegos, Saguache.

*Saguache.*—Frank L. Trickel, Saguache (Exp. Moffat).

*Bonanza.*—Winnie E. Shropshire, Villa Grove.

*Poncha.*—Joseph M. Cuenin, Salida.

*Tomichi.*—John A. Stavely, Sargents.



**Colorado.**—Wm. R. Krutzer, Fort Collins (WU); Lee P. Brown, forest assistant; G. C. Hougham, executive assistant.

*Ranger District: Boulder.*—Ray R. Clarke, Boulder.

*Ward.*—L. H. Ulrich, Boulder.

*Estes Park.*—Josephus Ryan, Estes Park.

*Buckhorn.*—R. R. Willey, Masonville (Exp. Fort Collins).

*Poudre.*—R. C. McConnell, Bellvue (Exp. Fort Collins).

*Livermore.*—Gilbert N. Hunter, Livermore.

*North Park.*—L. H. Carr, Walden.

**Gunnison.**—Charles Steuart, Gunnison (WU); Maude G. Bray, senior clerk.

*Ranger District: Pitkin.*—Jesse L. Trickle, Pitkin.

*Taylor Park.*—Wm. A. Potter, Pitkin.

*Crested Butte.*—Arthur L. Mills, Crested Butte.

*Anthracite.*—Edwin L. Miller, Baldwin (Exp. Gunnison).

*North Fork.*—Thomas H. Thurman, Paonia.

*Sapinero.*—G. M. Sprague, Sapinero.

*Black Mesa.*—B. C. Heilman, Crawford (Exp. Hotchkiss).

**Holy Cross.**—Harry H. French, Glenwood Springs (WU); G. M. Hunter, deputy forest supervisor; Frank W. Becker, senior clerk.

*Ranger District: Sheephorn.*—H. E. Flack, Radium.

*Pando Unit.*—Harry S. Dunn, Red Cliff.

*Red Cliff.*—W. M. Scanlan, Red Cliff.

*Avon.*—R. C. Prater, Avon.

*Eagle.*—Wm. S. Brown, Eagle.

*Cattle Creek.*—V. C. Holcomb, Seven Castles (Exp. Emma).

*Norrie.*—Harold B. Perkins, Meredith (Exp. Emma).

*Aspen.*—L. C. Shoemaker, Aspen.

*Crystal River.*—R. M. Bradshaw, Carbondale.

**Leadville.**—Harold L. Borden, Leadville (WU, P); P. V. Woodhead, deputy forest supervisor; Mary B. Hughes, senior clerk.

*Ranger District: Buena Vista.*—James L. Frame, Buena Vista.

*Leadville.*—Harry J. Smith, Leadville.

*Dillon.*—Edward F. Heaton, Dillon.

*Blue River.*—Stanley A. Mahan, Dillon.

*South Park.*—D. S. Wright, Fairplay.

**Montezuma.**—A. F. C. Hoffman, Mancos (WU); Robert H. Easterbrooks, forest examiner; M. R. Kennedy, senior clerk.

*Ranger District: Mancos.*—J. Ward Emerson, Mancos.

*Dolores.*—H. E. Kauffman, Dolores.

*Glade.*—D. S. Thomas, Dolores.

*Norwood.*—W. I. Wilson, Norwood.

*Telluride.*—Rich R. Thomson, Telluride.

*Rico.*—James C. Cayton, Rico.

**Pike.**—Ress Philips, Denver (WU, P); William R. Fraser, deputy forest supervisor; Everard S. Keithley, forest examiner; Jacob Roeser, jr., forest assistant; L. T. Mahurin, executive assistant. Monument Nursery, W. H. Schrader, forest planting assistant, Monument.

*Ranger District: Clear Creek.*—W. B. Kelso, Idaho Springs.

*Jefferson.*—J. B. Fitzsimmons, Cassels (Exp. Grant).

*South Platte.*—F. C. Parret, Buffalo Creek (Exp. Pine Grove).

*Lake George.*—R. H. Treupel, Lake George (Exp. Divide).

*Devils Head.*—Fred Stell, Woodland Park.

*Pikes Peak (N).*—F. E. Poley, Cascade (Exp. Colorado Springs).

*Pikes Peak (S).*—J. H. Patterson, Colorado Springs.

**Rio Grande.**—R. E. Clark, Monte Vista (WU); Walter F. Bowers, deputy forest supervisor; Lillie M. Grubb, senior clerk.

*Ranger District: Pyramid.*—E. L. Bennett, Creede.

*Creede.*—Roy M. Truman, Creede.

*Alder.*—J. N. Nelson, South Fork.

*South Fork.*—J. A. Hagerman, South Fork.

*Del Norte.*—William M. Darley, Monte Vista.

*Conejos.*—Edward O. West, Antonito.

**Routt.**—Ray Peck, Steamboat Springs (WU); H. D. Cochran, forest assistant; Agnes McNair, senior clerk.

*Ranger District: Park Range.*—G. P. McClanahan, Coalmont.

*Gore.*—Charles W. Euler, Yampa.

*Steamboat.*—Lewis L. Segur, Steamboat Springs.

*Hahns Peak.*—Dean H. Leonard, Clark.

*Snake River.*—William F. Cochran, Columbine (Exp. Steamboat Springs).

*Bears Ears.*—Percy Ray, Hayden.

**San Isabel.**—Albin G. Hamel, Pueblo (WU); S. E. Doering, deputy forest supervisor; Fay A. Kendig, senior clerk.

*Ranger District: Hardscrabble.*—J. J. Lowell, Wetmore (Exp. Florence).

*Greenhorn.*—Harry Friend, Rye (Exp. Pueblo).

*Westcliffe-Salida.*—Neal O. McKinley, Westcliffe.

*San Luis.*—J. A. Sharp, Mirage (Exp. Mineral Hot Springs).

*Blanca.*—Paul Gilbert, Gardner (Exp. Walsenburg).

*Las Animas.*—Karl Gilbert, La Veta.

**San Juan.**—H. Earl French, Durango (WU); Charles B. Mack, deputy forest supervisor; Teresa V. Fackerell, senior clerk.

*Ranger District: La Plata.*—James C. Maloy, Hesperus.

*Hermosa.*—Lewis R. Rist, Durango.

*Silverton.*—William H. Crocker, Silverton.

*Animas.*—Thomas E. Price, Durango.

*Pine.*—Harry D. Hauser, Bayfield (Exp. Ignacio).

*Chimney.*—Frank E. Loring, Piedra (Exp. Pagosa Springs).

*Piedra.*—James B. Beals, Debs (Exp. Pagosa Springs).

*Pagosa.*—Paul D. Irwin, Pagosa Springs.

*Treasurer.*—Frank McDaniel, Pagosa Springs.

*Blanco.*—Harry L. Norris, Pagosa Springs.

**Uncompahgre.**—Dwight S. Jeffers, Delta (WU); Geo. F. Rupp, forest assistant; Karl G. Brown, executive assistant.

*Ranger District: North End.*—Elmer F. Reed, Grand Junction.

*Delta.*—H. C. Bennett, Delta.

*Nucla.*—R. C. Miller, Nucla.

*Horsefly.*—F. E. Maupin, Delta.

*Ouray.*—Thomas J. Watkins, Ouray.

*Cimarron.*—John H. Keep, Ridgway.

*Lake Fork.*—William Doran, Lake City.

**White River.**—James A. Blair, Glenwood Springs (WU); Theodore Krueger, forest examiner; Ethelwyn Jones, senior clerk.

*Ranger District: Sleepy Cat.*—S. E. Alderson, Marviné (Exp. Meeker).

*Williams Fork.*—Bert L. Miller, Pagoda (Exp. Craig).

*Bear River.*—Elmer E. Stephenson, Yampa.

*Burns Hole.*—Felix E. Read, Riland.

*New Castle.*—George A. Powell, New Castle.

*Miller Creek.*—Byron L. Groesbeck, Meeker.

*Shoshone.*—R. W. McDonald, Glenwood Springs.

#### MICHIGAN.

**Michigan.**—R. G. Schreck, East Tawas (WU); Edith C. Lutzke, senior clerk. Beal Nursery, East Tawas.

*Ranger District: Tawas.*—Ralph H. Johnson, East Tawas.

*Mio.*—Bennett S. Azer, Mio (Exp. Rose City).

*Marquette.*———, Racó.

*Au Sable.*———, Oscoda.

#### MINNESOTA.

**Minnesota.**—G. E. Marshall, Cass Lake (WU); Harry D. Petheram, forest assistant; R. W. Henry, senior clerk. Cass Lake Nursery.

*Ranger District, Cass Lake and Bena.*—M. J. Cummings, Cass Lake.

*Bena.*—Matt Soderback, Cass Lake.

*Cutfoot Sioux.*—George Farley, Deer River (Exp. Bena).

**Superior.**—C. A. Dahlgren, Ely (WU); Troy Fox, forest assistant, Joseph Pluth; senior clerk.

*Ranger District: Sioux River.*—John G. Handberg, Buyck (Exp. Orr).

*Sawbill.*—J. E. Mulligan, Grand Marais.

*Island Lake.*—M. J. Valentine, Grand Marais.

*Big Lake.*———, Ely.

*Stony.*—Thos. A. Denley, Ely.

*Kawishiwi.*—Frank Carney, Ely.

*Brule Lake.*—Charles Taylor, Grand Marais.

#### NEBRASKA.

**Nebraska.**—Jay Higgins, Halsey (WU); Ralph W. Gray, executive assistant. Morton Nursery, Joseph A. Sweeney, forest ranger, Nenzel. Bessey Nursery, Harry C. Turner, forest planting assistant, Halsey.

*Ranger District: Niobrara.*—John G. Lord, Nenzel.

## SOUTH DAKOTA.

**Black Hills.**—George A. Duthie, Deadwood (WU); Thomas H. Gill, deputy forest supervisor; N. E. Peterson, lumberman; William Tokola, senior clerk.

*Ranger District: Spearfish.*—Reed L. Lee, Savoy.

*Crook Mountain.*—Frank T. Smith, Sturgis.

*Hardy.*—M. C. Henderson, Lead.

*Rochford.*—C. L. Webber, Rochford.

*Merritt.*—Manford R. Hickel, Nemo.

*Pactola.*—Marion J. Webber, Pactola (Exp. Nemo).

*Nemo.*—S. H. Forrest, Nemo.

*Bearlodge.*—William A. Robison, Aladdin, Wyo.

*Black Buttes.*—George A. Price, Savoy.

**Harney.**—James F. Conner, Custer (WU); John V. Leighou, forest examiner; Cyril B. Webster, forest assistant; W. C. Robert, senior clerk.

*Ranger District: Keystone.*—George S. Haynes, Keystone (Exp. Hill City).

*Hill City.*—Charles H. Fox, Hill City.

*Bear Mountain.*—E. W. Hedlun, Custer.

*Custer.*—H. A. Gould, Custer.

*Pringle.*—N. E. Hibbard, Pringle.

*Elk Mountain.*—Clair V. Cooke, Dewey.

*Limestone.*—H. R. Raver, Newcastle.

## WYOMING.

**Bighorn.**—E. W. Tinker, Sheridan (WU); Andrew G. Stockwell, deputy forest supervisor; F. L. Archer, executive assistant.

*Ranger District: Porcupine.*—C. B. Morgareidge, Lovell.

*Tongue.*—Y. Z. David, Dayton (Exp. Ranchester).

*Shell.*—Thomas Weir, Shell (Exp. Greybull).

*Paintrock.*—Bly Dickson, Hyattville (Exp. Manderson).

*Goose.*—J. S. Veeder, Big Horn (Exp. Sheridan).

*Buffalo.*—August Hettinger, Buffalo.

*Tensleep.*—F. P. Legat, Tensleep (Exp. Manderson).

**Hayden.**—James Blackhall, Encampment (WU, P); Lawton V. Smith, senior clerk.

*Ranger District: Big Creek.*—Reed A. Higby, Big Creek (Exp. Encampment via Walcott).

*Encampment.*—Geo. P. Lang, Encampment (Exp. Walcott).

*North End.*—Richard R. Riggs, Saratoga (Exp. Walcott).

*Snake River.*—Penn L. Gooldy, Savery (Exp. Wamsutter).

**Medicine Bow.**—Hnber C. Hilton, Laramie (WU, P); K. J. Helmick, lumberman; James M. Walley, forest assistant; Louis E. Coughlin, executive assistant.

*Ranger District: Foxpark.*—Joseph Van Ende, Foxpark.

*Keystone.*—John W. Delaney, Holmes (Exp. Albany).

*Brush Creek.*—Milton E. Ames, Saratoga.

*Bow.*—Frank E. Henry, Elk Mountain (Exp. Hanna).

*Sevenmile.*—Evan J. Williams, Centennial.



**Shoshone.**—Andrew Hutten, Cody (WU); Ralph R. Shaw, national forest examiner ; R. O. Myers, senior clerk.

*Ranger District: Greybull.*—A. W. Mengel, Pitchfork (Exp. Cody).

*South Fork.*—W. J. Petermann, Ishawooa (Exp. Cody).

*North Fork.*—J. E. Lehman Wapiti (Exp. Cody).

*Sunlight.*—M. S. Hulse, Painter (Exp. Cody).

*Clarks Fork.*—C. C. Spencer, Painter (Exp. Cody).

**Washakie.**—Arthur M. Cook, Lander (WU); E. A. Johnson, forest assistant; E. H. Peck, lumberman; Elsie Bayer, senior clerk.

*Ranger District: Absaroka.*—G. W. Goodson, Dubois.

*Sheridan.*—M. R. Taylor, Dubois (Exp. Lander).

*Dubois.*—B. R. McAdam, Dubois (Exp. Lander).

*Lander.*—Chalfan Stoddard, Lander.

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## DISTRICT 3.

### SOUTHWESTERN DISTRICT.

Arizona and New Mexico. Offices, Gas and Electric Building, Albuquerque, N. Mex.

FRANK C. W. POOLER, district forester.

PUBLIC RELATIONS.—Joseph C. Kircher.

LAW.—Office of the solicitor (Forest Service branch). Charles S. Brothers, assistant to the solicitor.

ACCOUNTS.—Albert Morris, chief of office and fiscal agent; S. H. Busch, district fiscal agent.

OPERATION.—Aldo Leopold, assistant district forester; James F. Mullen, national forest examiner, assistant chief.

MAINTENANCE.—H. B. Hammond, national forest examiner.

FOREST MANAGEMENT.—R. E. Marsh, assistant district forester; D. M. Lang, lumberman; Quincy Randles, forest examiner.

W. H. Long, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—John Kerr, assistant district forester; Paul H. Roberts, inspector of grazing.

STUDIES.—M. W. Talbot, grazing examiner.

RECONNAISSANCE.—C. K. Cooperrider, grazing examiner; H. O. Cassidy, R. W. Hussey, and R. D. Morris, grazing assistants.

LANDS.—John D. Jones, assistant district forester; M. M. Cheney, national forest examiner.

ENGINEERING.—C. A. Long, district engineer.

MAPS AND SURVEYS.—

Drafting.—F. E. Landon.

Entry Survey—T. F. Myers, surveyor.

ROADS.—C. A. Long. Trail Surveys and Minor Road Construction; R. L. Hughes.

WATER POWER.—C. A. Long.



## NATIONAL FORESTS.

## ARIZONA.

**Apache.**—R. J. Selkirk, Springerville (P—Exp. Holbrook); A. W. Voigt, forest supervisor; William Chernals, senior clerk.

*Ranger District: Alpine.*—H. H. Boyer, Alpine (Exp. Holbrook).

*Baseline-Clifton.*—J. C. Nave, deputy forest supervisor, Clifton.

*Blue.*—Roy Swapp, Blue (Exp. Holbrook).

*Eagle.*—Peter J. Wilson, Clifton (Exp. Holbrook).

*Greer.*—H. L. Haynes, Greer (Exp. Holbrook).

*Nutrioso.*—David S. Marks, Nutrioso (Exp. Holbrook).

**Coconino.**—E. G. Miller, Flagstaff (WU, P); J. A. Adams, forest supervisor; L. R. Lessel, national forest examiner; M. Westveld, forest examiner; P. H. Harley, senior clerk.

*Ranger District: Beaver Creek.*—Walter Hackleman, Camp Verde.

*Bly.*—J. W. Girdner, deputy forest supervisor, Winslow.

*Flagstaff.*—M. L. Nichols, Flagstaff.

*Long Valley.*—W. J. Brown, Camp Verde (Exp. Clarkdale).

*Mormon Lake.*—Roy H. Rice, Flagstaff.

*Munds Park.*—J. I. Bashnell, Cornville (Exp. Clarkdale).

*Rogers Lake.*—John L. Stevens, Flagstaff.

*Walnut Canyon National Monument.*—Neil Erickson, Flagstaff.

**Coronado.**—H. G. Calkins, Tucson (WU); F. L. W. Grubb, forest supervisor; C. W. McKenzie, deputy forest supervisor; Anita P. Kellogg, senior clerk.

*Ranger District: Santa Catalina.*—Lyle B. Smith, Oracle (Exp. Tucson).

*Huachuca.*—R. A. Rodgers, Cannille (Exp. Fort Huachuca).

*Paradise.*—C. B. Scholefield, Rodeo.

*Peloncillo.*—A. W. Pigott, Apache.

*Rincon.*—G. E. Galer, Vail.

*Santa Rita.*—Olof J. Olson, Vail.

*Sunset.*—O. P. Schoenberg, deputy forest supervisor, Chiricahua (Exp. Douglas).

*Tumacacori.*—Robert Thompson, Nogales.

*Dragoon-Whetstone.*—J. A. Frieborn, Cochise.

**Crook.**—T. T. Swift, Safford (WU); W. L. Stiles, executive assistant.

*Ranger District: Aravaipa.*—H. E. Chipman, Klondyke (Exp. Wilcox).

*Pinal.*—F. L. Kirby, deputy forest supervisor, Globe.

*Queen Creek.*—H. L. Taylor, Globe.

*Mount Graham.*—C. V. Christensen, deputy forest supervisor, Safford.

**Prescott.**—H. Basil Wales, Prescott (WU); Robert Munro, national forest examiner; Rosemary R. Campbell, senior clerk.

*Ranger District: Bloody Basin.*—W. M. Mickelson, Mayer.

*Cave Creek.*—R. H. Thompson, Cave Creek.

*Cherry.*—Alfred P. Jahn, Cherry (Exp. Cherry Creek).

*Crown King.*—R. S. Taliaferro, Crown King.

*Jerome.*—George Mutz, Jerome.

*Prescott.*—J. C. McNelty, deputy forest supervisor, Prescott.

*Skull Valley.*—H. H. Higgins, Skull Valley.

*Walnut Creek.*—E. H. Oldham, Simmons (Exp. Prescott).

**Sitgreaves.**—T. C. Hoyt, Snowflake (P); A. G. McCloskey, senior clerk.

*Ranger District: Chevalon.*—W. E. Baldwin, Winslow.

*Heber.*—L. S. Kartchner, Heber (Exp. Holbrook).

*Lakeside.*—C. Shumway, Lakeside (Exp. Holbrook).

*Pinedale Park.*—D. E. Slosser, Pinedale (Exp. Holbrook).

*Showlow.*—R. D. Rowley, Shumway (Exp. Holbrook).

**Tonto.**—W. H. Goddard, Roosevelt (WU); J. H. Sizer, deputy forest supervisor; Ruth S. Hargrave, senior clerk.

*Ranger District: Mazatzal.*—Fred W. Croxen, Roosevelt (Exp. Globe).

*Payson.*—R. C. James, Payson (Exp. Globe).

*Pine.*—M. M. Bruhl, Pine (Exp. Globe).

*Pleasant Valley.*—G. B. Rencher, Young (Exp. Globe).

*Salt River.*———, Roosevelt (Exp. Globe).

*Sierra Ancha.*—W. M. Sherman, Spring Creek (Exp. Globe).

**Tusayan.**—James A. Scott, Williams (WU, P); G. W. Kimball, forest examiner; Hans Bothe, senior clerk.

*Ranger District: Anita Moqui.*—J. E. Kintner, Williams.

*Ash Fork.*—F. J. Cox, Ash Fork.

*Chalender.*—Frank Bascom, Parks (Exp. Williams).

*Spring Valley.*—J. E. Cook, Parks (Exp. Williams).

*Verde.*—Fred Haworth, Punttenney (Exp. Cedar Glade).

*Williams.*—T. W. Rice, Williams.

#### NEW MEXICO.

**Carson.**—E. W. Loveridge, Taos (WU—Exp. Taos Junction); C. R. Dwire, deputy forest supervisor; Luis P. Martinez, senior clerk.

*Ranger District: Canjilon.*—J. L. Hughes, Canjilon (Exp. Chama).

*Jicarilla.*—H. W. Naylor, Vaqueros (Exp. Dulce).

*Questa.*—L. F. Cottam, Questa (Exp. Jarosa).

*San Antone.*—R. L. Ground, Ortiz (Exp. Antonito).

*Servilleta.*—C. G. Harrington, Tusas (Exp. Tres Piedras).

*Vallecitos.*—E. L. Perry, Vallecitos (Exp. La Madera).

*Taos.*—Eugene Stover, Taos (Exp. Taos Junction).

*Picuris.*—W. E. Murk.

**Datil.**—A. H. Douglas, Magdalena (WU); S. F. Wilson, forest examiner; W. J. Anderson, national forest examiner; Anna E. Fraser, senior clerk.

*Ranger District: Baldwin.*—Frank Hiler, Datil (Exp. Magdalena).

*Black Range.*—R. B. Ewing, Fairview (Exp. Engel).

*Elk Mountain.*—J. B. Crain, Datil (Exp. Magdalena).

*Frisco.*—J. A. Simmons, national forest examiner, Reserve (Exp. Magdalena).

*Jewett.*—Allen F. Bloom, Aragon (Exp. Magdalena).

*Luna.*—B. S. Rogers, Luna (Exp. Magdalena).

*Magdalena.*—S. Q. Garst, Magdalena.

*Red Rock.*—T. J. Ground, Monticello (Exp. Engle).

*Rosedale.*—Louis Ketcham, Rosedale (Exp. Magdalena).

*Tulerosa.*—W. G. Onstad, Aragon (Exp. Magdalena).

**Gila.**—Frederic Winn, Silver City (WU); L. J. Putsch, forest supervisor, H. Norton Cope, deputy forest supervisor; Warren M. Cox, senior clerk.

*Ranger District: Big Burros.*—W. R. Warner, Tyrone.

*Black Range.*—J. R. Painter, Kingston (Exp. Lake Valley).

*Frisco.*—C. H. Bowen, Buckhorn (Exp. Silver City).

*McKinney Park.*—Henry Woodrow, Cliff (Exp. Silver City).

*Mimbres.*—J. R. McLure, Mimbres (Exp. Santa Rita).

*Mogollon.*———, Mogollon (Exp. Silver City).

*Pinos Altos.*—C. E. Hulbert, Pinos Altos (Exp. Silver City).

**Lincoln.**—O. F. Arthur, Alamogordo (WU); Simeon Strickland, lumberman; Bernice G. Havins, senior clerk.

*Ranger District: Capitan.*———, Lincoln (Exp. Capitan).

*Cloudcroft.*—H. G. Smith, Cloudcroft.

*Gallinas.*—W. H. Woods, Corona.

*Guadalupe.*—Lea Beall, Queen (Exp. Carlsbad).

*Mayhill.*—M. J. Addison, Mayhill (Exp. Cloudcroft).

*Ruidoso.*—G. W. Messer, Glencoe (Exp. Capitan).

*Weed.*—A. S. Wingo, Weed (Exp. Cloudcroft).

*White Mountain-Patos.*—J. A. Brubaker, Capitan.

**Manzano.**—K. C. Kartchner, Albuquerque (WU, P); C. H. Kissam, national forest examiner; Susan R. C. Beyer, senior clerk.

*Ranger District: Northern.*—C. L. Warnock, Tijeras (Exp. Albuquerque).

*Southern.*—L. A. Shartzer, Mountainair.

*Mount Taylor.*—Louis H. Laney, Grants.

*Zuni.*—F. E. Brennan, McGaffey (Exp. Perea).

**Santa Fe.**—Frank E. Andrews, Santa Fe (WU, P); W. J. Doherty, national forest examiner; Rex King, forest examiner; M. J. Pettis, executive assistant.

*Ranger District: Borrego.*—W. J. Pinson.

*Chama.*—J. A. Rodriguez, Coyote (Exp. Espanola).

*Cochiti.*—B. H. Brown, Bland (Exp. Domingo).

*Cuba.*—F. D. Harris, Senorito (Exp. Albuquerque).

*Gallina.*—J. I. Hatch, Gallina (Exp. Espanola).

*Panchuela.*—J. W. Johnson, Cowles (Exp. Glorieta).

*Mora-San Miguel.*—M. F. Pincetl, El Porvenir (Exp. Las Vegas).

*Sands.*—A. F. Martinez, Soham.

*Santa Clara.*—F. V. Plomteaux, Espanola.

*Tesuque.*—C. K. Harriman, Santa Fe.

*Bandelier National Monument.*—D. E. Harbison, Santa Fe.

## DISTRICT 4.

## INTERMOUNTAIN DISTRICT.

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Office, Forest Service Building, Ogden, Utah.

R. H. RUTLEDGE, district forester.

PUBLIC RELATIONS.—James E. Scott.

LAW.—Office of the solicitor (Forest Service branch). E. S. French, assistant to the solicitor.

ACCOUNTS.—Homer A. Seip, chief of office and fiscal agent; A. C. Wycoff, district fiscal agent.

OPERATION.—Chas. D. Simpson, assistant district forester; Carl B. Arentson, national forest examiner; Thomas V. Pearson, executive assistant.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—Charles D. Simpson. I. H. Nash, State land commissioner, Boise, Idaho, collaborator.

MAINTENANCE.—W. B. Crites.

FOREST MANAGEMENT.—C. B. Morse, assistant district forester; S. S. Stewart, forest examiner.

GRAZING.—C. N. Woods, assistant district forester; Ernest Winkler, inspector of grazing.

STUDIES.—D. A. Shoemaker, grazing examiner.

LANDS.—R. E. Gery, acting assistant district forester; S. B. Locke, forest examiner assistant.

RESEARCH.—F. S. Baker, forest examiner.

ENGINEERING.—J. P. Martin, district engineer; F. J. Ryder, administrative assistant.

MAPS AND SURVEYS.—M. S. Wright.

Drafting.—C. D. Jackson.

Entry Surveys.—C. J. Truscott.

ROADS.—J. P. Martin; H. G. McPheters and R. A. Brown, assistants.

WATER POWER.—J. P. Martin.

## EXPERIMENT STATION.

Great Basin, Manti National Forest.—Arthur W. Sampson, plant ecologist, in charge; H. E. Malmstem, assistant.

## NATIONAL FORESTS.

## ARIZONA.

**Kaibab.**—J. C. Roak, Kanab, Utah (WU—Exp. Marysvale, Utah); Millie Young, clerk.

*Ranger District: Jacob Lake.*— ———, Kanab, Utah (Exp. Marysvale, Utah).

*Big Springs.*—Benjamin Swapp, Kanab, Utah (Exp. Marysvale, Utah).

## IDAHO.

**Boise.**—E. Grandjean, Boise (WU); W. M. Campbell, forest supervisor; Mabel M. Sturgis, senior clerk.

*Ranger District: Long Gulch.*—John E. Irby, Lenox (Exp. Mountain Home).

*Cottonwood.*—Earl Templeton, Barber (Exp. Boise).

*Idaho City.*—Walter T. Berry, Idaho City (Exp. Boise).

*Atlanta.*—John D. Selby, Atlanta, (Exp. Mountain Home).

*Lick Creek.*—Warren C. Taylor, Lowman (Exp. Banks).

*Pine.*—Elmer St. C. Rane, Pine (Exp. Mountain Home).



**Caribou.**—Earl C. Sanford, Montpelier (WU); Robert W. Strong, deputy forest supervisor; Lucile C. Krogue, senior clerk.

*Ranger District: Snake River.*—Jess L. Bedwell, Antelope (Exp. Ririe).

*Grays Lake.*—Lewis C. Mathews, Wayan (Exp. Soda Springs).

*Freedom.*—Charles A. Spackman, Freedom, Wyo. (Exp. Montpelier).

*Auburn.*—James B. Bruce, Auburn, Wyo. (Exp. Montpelier).

*Soda Springs.*—Arthur Peterson, Soda Springs.

*Montpelier.*—Camas Nelson, Montpelier.

**Challis.**—David Laing, Challis (WU); Charles C. Shaw, forest ranger; A. L. Moats, executive assistant.

*Ranger District: Challis.*—Willard Frost, Challis (Exp. Mackay).

*Clayton.*—John S. Malm, Clayton (Exp. Mackay).

*Loon Creek.*—Ned Foster, winter address, Meyers Cove; summer address, Stanley (Exp. Mackay).

*Stanley.*—Edgar P. Huffman, Stanley (Exp. Mackay).

**Idaho.**—John Raphael, McCall (WU, P); William C. McCormick, Andrew S. Casner, and N. J. Fetherolf, deputy forest supervisors; Fred L. Williams, senior clerk.

*Ranger District: Meadows.*—Frank E. Gray, McCall.

*Chamberlain.*—Marion E. Mahoney, Warren (Exp. McCall).

*Lake Fork.*—Charles A. Chitwood, McCall.

*Roseberry.*—Walter A. Estep, Roseberry (Exp. Donnelly).

*Yellow Pine.*—Otto J. Paul, Yellow Pine (Exp. McCall).

*Big Creek.*—Lee O. Miles, Clover (Exp. McCall).

**Lemhi.**—C. F. Evans, Mackay (WU); Howard J. Stratford, senior clerk.

*Ranger District: Medicine Lodge.*—Spencer H. Lawson, Winsper (Exp. Dubois).

*Little Lost River.*—Robert Johnson, Mackay.

*Pahsimeroi.*—L. L. Hammer, May (Exp. Mackay).

*Antelope.*—J. L. Phillips, Grouse (Exp. Mackay).

*Wildhorse.*—Carrol C. Pelton, Mackay.

**Minidoka.**—R. D. Garver, Burley (WU); J. W. Stokes, forest supervisor T. G. Taylor and D. M. Rustay, forest assistants; Evelyn Ferrin, senior clerk.

*Ranger District: Cassia West.*—C. E. Jensen, Rogerson.

*Cassia East.*—E. E. Stock, Oakley.

*Albion Mountain.*—H. L. Smith, Elba (Exp. Oakley).

*Raft River.*—J. H. Kroeneke, Yost, Utah (Exp. Kelton, Utah).

*Black Pine.*—C. F. R. Boosinger, Strevell (Exp. Kelton, Utah).

*Sublett.*—Bert Mahoney, Sublett (Exp. Burley).

**Fayette.**—Guy B. Mains, Emmett (WU); F. S. Moore, forest supervisor; Francis Wallis, deputy supervisor; Horace J. Burr, forest ranger; A. P. Larson, senior clerk.

*Ranger District: West Mountain.*—Arthur Potter, Ola (Exp. Smiths Ferry).

*Garden Valley.*—Frank H. Miller, Garden Valley (Exp. Banks).

*Deadwood-Bear Valley.*—George E. Russell, Garden Valley (Exp. Banks).

*Long Valley.*—John D. Parker, Cascade.

*Penn Basin.*—DeWitt Russell, Cascade.

*Middle Fork Salmon.*—Graham E. McConnel, Cascade.



**Salmon.**—S. C. Scribner, Salmon (WU); E. R. Renner, deputy forest supervisor; Francis X. Schumacher, forest ranger; Augusta R. Hines, senior clerk.

*Ranger District: Indianola.*—Carlton F. Clark, Northfork (Exp. Salmon).

*Hughes Creek.*—Thomas A. Jerrell, Northfork (Exp. Salmon).

*Salmon.*—R. E. Allan, Salmon.

*Forney.*—Allen H. Wheeler, Leesburg (Exp. Salmon).

*Lemhi.*—Clarence D. Huestis, Lemhi.

*Leadore.*—Don M. Casterlin, Leadore.

**Sawtooth.**—M. S. Benedict, district forest inspector, Hailey (WU); Richard F. Bowman, senior clerk.

*Ranger District: Greenhorn.*—N. C. Jensen, Hailey.

*Flowers.*—A. R. Griffith, Ketchum.

*Pole Creek.*—W. H. Horton, Ketchum.

*Soldier.*—J. E. Minear, Fairfield.

*Shake Creek.*—A. T. Osborn, Featherville (Exp. Mountain Home).

**Targhee.**—S. W. Stoddard, St. Anthony (WU); David A. Arrivee, forest supervisor; John N. Kinney, deputy forest supervisor; Theresa B. Harris, senior clerk.

*Ranger District: Spencer.*—Foster Steele, Spencer.

*Camas.*—K. C. Allan, Kilgore (Exp. Spencer).

*Big Springs.*—D. L. Enteman, Ashton.

*Hallie Park.*—Lemuel Steele, jr., deputy forest supervisor, Ashton.

*Porcupine.*—Ira Latham, Ashton.

*Rapid Creek.*—Ray Pickett, Driggs.

*Victor.*—Claud C. Shannon, Victor.

*Grandview.*—Francis Moss, Canyon Creek (Exp. Tetonia).

*Hawley Gulch.*—Arthur G. Nord, Heise (Exp. Rigby).

*Swan Valley.*—T. D. Cowan, Irwin.

**Weiser.**—L. F. Watts, Weiser (WU); O. W. Mink, deputy forest supervisor; Irene A. Knight, clerk.

*Ranger District: Indian Valley.*—Robert E. Clabby, Indian Valley (Exp. Cambridge).

*Council.*—Elmer C. Ross, deputy forest supervisor, Council.

*Mann Creek.*—Willard A. McDowell, Weiser.

*Brownlee.*—Elmer E. McGinness, Cambridge.

*Hornet.*—Ethel H. Fears, Council.

*Bear.*—William J. Rafferty, Bear (Exp. Council).

#### NEVADA.

**Humboldt.**—C. E. Favre, Elko (WU, P); Lewis B. Koch, deputy forest supervisor; J. A. O'Connell, executive assistant.

*Ranger District: Independence.*—Charles E. Butler, Tuscarora (Exp. Elko).

*Mountain City.*—L. E. McKenzie, Mountain City (Exp. Elko).

*Gold Creek.*—C. D. Miller, Gold Creek (Exp. Elko).

*Jarbidge.*—Thos. J. Wells, Jarbidge (Exp. Rogerson).

*North Ruby.*—A. C. Rohwer, Arthur (Exp. Deeth).

*South Ruby.*—J. W. Mink, Jiggs (Exp. Elko).

*Paradise Valley.*—Paul L. Travis, Paradise Valley (Exp. Winnemucca).

*Quinn River.*—Blake A. Beatty, Rebel Creek (Exp. Winnemucca).

**Nevada.**—Alexander McQueen, Ely (WU); Lillian R. Jones, senior clerk.

*Ranger District: Baker.*—Graham S. Quate, Baker (Exp. Ely).

*Berry Creek.*—George E. Moore, McGill.

*Currant.*—Claude R. Townsend, Currant (Exp. Ely).

*Spring Valley.*—Lloyd Robison, Aurum (Exp. Ely).

**Toiyabe.**—J. W. McGowan, Austin (WU, P); Ruth L. Trolson, clerk.

*Ranger District: Manhattan.*—Milton P. Greaves, Manhattan (Exp. Austin).

*Potts.*—Roy A. Brown, Potts (Exp. Austin).

*Reese River.*———, Austin.

*Kingston.*—J. Wm. Griffeth, Austin.

#### UTAH.

**Ashley.**—Chas. DeMoisy, jr., Vernal (WU); June P. Allan, senior clerk.

*Ranger District: Manila.*—George W. Walkup, Manila (Exp. Carter, Wyo.).

*Vernal.*—Albert A. Hardy, Vernal.

*Dry Fork.*—H. O. Van Tassell, Vernal.

*Lonetree.*—Clyde Lambert, Lonetree, Wyo. (Exp. Carter, Wyo.).

*Whiterocks.*—Thomas R. Parry, Whiterocks (Exp. Price).

*Lake Fork.*—Albert E. Blood, Altonah (Exp. Price).

**Cache.**—E. C. Shepherd, Logan (WU); W. B. Rice, forest examiner; Margaret E. Jensen, senior clerk.

*Ranger District: Logan River.*—H. I. Rice, deputy forest supervisor, Logan.

*Rich County.*—Vern A. Bird, Laketown (Exp. Paris, Idaho).

*High Creek.*—L. C. Smith, Smithfield.

*Bear Lake County.*—W. S. Averill, Paris, Idaho.

*Cub River.*—Leroy Lindsay, Minkcreek, Idaho (Exp. Preston, Idaho).

*Sherman Peak.*—F. O. Rowen, Soda Springs, Idaho.

*Pocatello.*—S. R. Justice, Pocatello, Idaho.

*Portneuf.*—W. H. Campbell, Bancroft, Idaho.

*Oxford and Elkhorn.*—Moses Christensen, Malad, Idaho.

**Dixie-Sevier.**—William M. Mace, Cedar City (WU); R. T. Forbes, senior clerk.

*Ranger District: Enterprise.*—Parley P. Peterson, Enterprise (Exp. Modena).

*Pine Valley.*—Samuel A. Macfarlane, Pine Valley (Exp. Modena).

*Leeds.*—Earl V. Storm, Leeds.

*Little Valley.*—William M. Hurst, Panguitch (Exp. Marysvale).

*Lowder.*—Keith A. Dodge, Cedar City (Exp. Lund).

*Harris Flat.*—Frank W. Seaman, Panguitch (Exp. Marysvale).

**Fishlake-Fillmore.**—C. A. Mattsson, Richfield (WU); James E. Gurr, deputy forest supervisor; Allen C. Folster, senior clerk.

*Ranger District: Pioneer.*—Bert L. Robins, Scipio (Exp. Juab).

*Parant.*—James Jensen, Fillmore (Exp. Oasis).

*Redview.*—H. M. Christensen, Richfield.

*Koosharem.*—James H. Baldwin, Monroe (Exp. Elsinore).

*Belknap.*—Chester Olsen, Sevier.

*Tushar.*—Blaine Betenson, Beaver (Exp. Milford).

*Gooseberry.*—John Barnard, Salina.

*Elkhorn.*—Albert Albertson, Loa (Exp. Sigurd).

*Fishlake.*—Rex N. Barnard, Koosharem (Exp. Sigurd).

*Mountain Ranch.*—Joseph L. Thorpe, Salina.

**La Sal.**—Edmund B. Spencer, Moab (WU); F. C. Perry, senior clerk.

*Ranger District: La Sal.*—Wilford E. Tangren, La Sal (Exp. Thompson).

*Monticello.*—Lewis T. Quigley, deputy forest supervisor, Monticello (Exp. Thompson).

*Grayson.*—Marion P. Hunt, Monticello (Exp. Thompson).

**Manti.**—J. W. Humphrey, Ephraim (WU); Luella Christensen, senior clerk.

*Ranger District: Mount Baldy.*—Edward P. Cox, Manti.

*Clay Springs.*—D. H. Williams, Emery (Exp. Price).

*Seely Creek.*—Wells Thursby, Ephraim.

*Bear Creek.*—Byron A. Howard, Huntington (Exp. Price).

*Canyon View.*—Seth H. Ollerton, Mount Pleasant.

*Mammoth.*—Orange A. Olsen, Fairview.

*Joe's Valley.*—P. M. V. Anderson, Orangeville (Exp. Price).

**Powell-Sevier.**—George H. Barney, Widtsoe (WU); Addie G. Barney, senior clerk.

*Ranger District: Rabbit Valley.*—J. E. Hickman, jr., Teasdale (Exp. Salina).

*Escalante.*—Joseph J. Porter, Escalante (Exp. Marysvale).

*Johns Valley.*—Wallace H. Adair, Widtsoe (Exp. Marysvale).

*East Fork.*—Leland D. Heywood, Panguitch (Exp. Marysvale).

*Adams Head.*—Wilford Bentley, Panguitch (Exp. Marysvale).

**Uinta.**—W. W. Blakeslee, Provo (WU); Wallace M. Riddle, deputy forest supervisor; Emma Evans, senior clerk.

*Ranger District: Duchesne.*—Fred O. Johnson, Duchesne.

*Springville.*—Parley C. Madsen, Springville.

*Soldier Summit.*—Charles H. Allred, Springville.

*Currant Creek.*—Jas. A. Cahill, Heber.

*Red Creek.*—Geo. C. Larson, Heber.

*Hanna.*—E. J. Adair, Hanna (Exp. Duchesne or Park City).

*Payson.*—Wm. L. Huff, Payson.

*Nephi.*—A. P. Christiansen, Nephi.

**Wasatch.**—Dana Parkinson, Salt Lake City (WU, P); Walter G. Mann, forest supervisor; La Rue Greenig, senior clerk.

*Ranger District: Big Cottonwood.*—George A. Green, jr., Sandy (Exp. Midvale).

*Pleasant Grove.*—Vivian N. West, Pleasant Grove.

*Salt Lake.*—William W. Smith, Murray.

*Kamas.*—Morgan Parke, Kamas (Exp. Park City).

*Blacks Fork.*—Charles H. McDonald, Kamas (Exp. Park City).

#### WYOMING.

**Teton.**—A. C. McCain, Jackson (WU); E. P. Ellis, senior clerk.

*Ranger District: Buffalo.*—Richard H. Ohl, Moran (Exp. Victor, Idaho).

*Black Rock.*—Rudolph Rosencrans, Moran (Exp. Victor, Idaho).

*Faler.*—Roy Conner, Daniels (Exp. Opal).

*Horsetail.*—Bruce L. Coulter, Kelly (Exp. Victor, Idaho).

*Goosewing.*—Bruce L. Coulter, Kelly (Exp. Victor, Idaho).

*Jackson.*—Felix Buchenroth, Jackson (Exp. Victor, Idaho).

*Bryon Flat.*—William H. McKahan, Jackson (Exp. Victor, Idaho).

*Stewart.*—Charles S. Horel, Teton (Exp. Victor, Idaho).

*Lee.*—Earle W. Harris, Wilson (Exp. Victor, Idaho).

**Wyoming-Bridger.**—Charles A. Beam, Kemmerer (WU); Ernest E. McKee, deputy forest supervisor.

*Ranger District: Kelly.*—George H. Dunn, Cokeville.

*Snyder Basin.*—Fred Graham, Big Piney (Exp. Opal).

*Sherman.*—Albert A. David, Merna (Exp. Opal).

*Afton.*—John W. Davis, Afton (Exp. Montpelier, Idaho).

*Smoot.*—James T. Moffat, Smoot (Exp. Montpelier, Idaho).

*Kendall.*—Harry A. Cheeseman, Kendall (Exp. Rock Springs).

*Willow Creek.*—Chauncey J. Terry, Cora (Exp. Rock Springs).

*Fremont.*—Edmond V. Cockins, Pinedale (Exp. Rock Springs).

*Dutch Joe.*—Martin Murphy, Big Sandy (Exp. Rock Springs).

## DISTRICT 5.

### CALIFORNIA DISTRICT.

California and southwestern Nevada. Office, Ferry Building, San Francisco, Calif.

PAUL G. REDINGTON, district forester.

R. H. Charleton, inspector, Los Angeles, Calif.; Angeles, Cleveland, and Santa Barbara.

LAW.—Office of the Solicitor (Forest Service branch). H. P. Dechant, assistant to the solicitor.

ACCOUNTS.—A. W. Smith, chief of office and fiscal agent; P. A. Tucker, district fiscal agent.

OPERATION.—Robert L. Deering, assistant district forester.

FINANCE.—L. W. Hess, national forest inspector.

PERSONNEL AND INSPECTION.—Paul P. Pitchlynn, national forest examiner.

FIRE.—E. I. Kotok, forest examiner.

STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—E. I. Kotok.

LAW ENFORCEMENT.—C. V. Brereton, national forest examiner.

MAINTENANCE.—E. H. Schmieder.

Minor Roads, Trails, and Improvements.—S. W. Wynne, C. E. Jordan.

TELEPHONE ENGINEERING.—F. H. Hafley, telephone engineer.

FOREST MANAGEMENT.—T. D. Woodbury, assistant district forester.

LOGGING ENGINEERING.—J. H. Price.

TIMBER SALES.—J. C. Elliott, lumberman.

TIMBER SURVEYS.—O. M. Evans, forest examiner.

FOREST PATHOLOGY.—E. P. Meinecke, consulting pathologist; H. G. Lachmund, Charles D. Meissner, and Willis W. Wagener, assistants; Frank Saltzman, superintendent, Experiment Station.

GRAZING.—Jesse W. Nelson, assistant district forester.

STUDIES.———, grazing examiner.

LANDS.—L. A. Barrett, assistant district forester; George Miller, national forest examiner.

MINERAL EXAMINATION, LAND CLASSIFICATION, and ENTRY SURVEYS.—W. H. Friedhoff, mineral examiner.



RESEARCH.—S. B. Show, and Duncan Dunning, forest examiner; Edward N. Munns, collaborator.

FOREST PRODUCTS.—C. L. Hill, forest examiner; Carl A. Kupfer, collaborator.

ENGINEERING.—F. H. Fowler, district engineer; J. C. Dort, assistant district engineer.

MAPS AND SURVEYS.—S. W. Wynne; S. N. Stoner.

Drafting.—H. A. Sedelmeyer.

ROADS.—F. H. Fowler, J. C. Dort, F. D. Bowlus.

WATER POWER.—F. H. Fowler.

PUBLIC RELATIONS.—L. A. Barrett; Paul J. Fair, exhibits.

## NATIONAL FORESTS.

### CALIFORNIA.

**Angeles.**—Shirley W. Allen, Los Angeles (WU, P); Earl V. Lackey, executive assistants.

*Ranger District: Pasadena.*—Wm. V. Mendenhall, deputy forest supervisor, Pasadena. Arroyo Seco Division: A. J. Mueller, Pasadena. Monrovia Division: F. H. Hayward, Sierra Madre. San Antonio Division: A. T. Shay, Upland. San Dimas Division: E. L. Buxton, San Dimas. San Fernando Division: E. B. Hamilton, San Fernando. San Gabriel Division: Ray McCormick, Azusa. Valyermo Division: L. H. Dorr, Valyermo. West Fork Division: F. H. Hayward, Sierra Madre.

*Ranger District: San Bernardino.*—Fred J. Jeken, deputy forest supervisor, San Bernardino. Iamosa Division: ———. Cucamonga. Banning Division: C. A. Morris, Banning. Big Bear Valley Division: L. H. Anderson, Pine Knot. Burnt Mill Division: B. W. Switzer, Little Bear Lake. Cajon Division: Harry F. Burbank, Cajon. Glendora Division: I. Kiermeyer, Glendora. Lytle Creek Division: J. H. Hayden, San Bernardino. Mill Creek Division: J. H. Sanborn, Mentone. San Bernardino Division: Geo. H. Moore, Devore. Skyland Division: R. M. Tuttle, Crestline.

**California.**—J. D. Coffman, Willows (WU); B. H. Mace, deputy forest supervisor; Robert J. Settles, executive assistant.

*Ranger Vistrict: Covelo.*—Douglas Robinson, Covelo (Exp. Dos Rios).

*Paskenta.*—M. W. Durham, Paskenta (Exp. Corning).

*Stonyford.*—R. G. Stites, Stonyford (Exp. Fruto).

*Upper Lake.*—G. E. Squires, Upper Lake (Exp. Ukiah).

**Cleveland.**—S. A. Boulden, San Diego (WU); Anna B. Stephens, senior clerk.

*Ranger District: Descanso.*—H. I. Snider, Descanso (Exp. San Diego).

*Palomar.*—H. C. Gerrish, Aguanga (Exp. Hemet).

*San Jacinto.*—C. R. C. Reindorp, Hemet.

*Trabuco.*—A. J. Berg, Corona.

**Eldorado.**—E. F. Smith, Placerville (WU); Margaret Lyon, senior clerk.

*Ranger District: Caldor.*—A. W. Hughes, Diamond Springs.

*Georgetown.*—R. C. Berriman, Georgetown (Exp. Placerville).

*Pacific.*—M. D. Morris, Camino (Exp. Placerville).



**Inyo.**—Thos. J. Jones, forest supervisor, Bishop (WU); John S. Barnes, forest assistant; Leon J. Cranston, forest ranger; Julia Greff, senior clerk.

*Ranger District: Big Pine.*—Wesley E. Hotelling, Big Pine.

*Mammoth.*—Guy S. Way, Bishop.

*Mount Whitney.*—E. E. Cuff, Lone Pine.

*White Mountain.*—Chas. H. Simson, Bishop.

**Klamath.**—W. A. Huestis, Yreka (WU); Billie I. Shannon, deputy forest supervisor; Harry R. Saxton, forest assistant; John R. Berry, scaler; Rollin A. Fairchild, senior clerk.

*Ranger District: Happy Camp.*—E. M. Sutcliffe, Happy Camp (Exp. Hornbrook).

*Orleans.*—E. P. Hickey, Orleans (Exp. Eureka).

*Salmon River.*———, Sawyers Bar (Exp. Yreka).

*Scott Bar.*—N. W. Coleman, Scott Bar (Exp. Yreka).

*Yreka.*—Perry J. Hill, Yreka.

**Lassen.**—C. E. Dunston, Mineral (WU); (Exp. Red Bluff); T. C. West, deputy forest supervisor; A. E. Wieslander, forest examiner; Howard E. Marshall, executive assistant; Vance S. Brown, scaler.

*Ranger District: Coppervale.*—C. F. Conrad, Westwood.

*Hat Creek.*—W. J. Jones, Burney (Exp. Redding).

*Magalia.*—W. L. Slater, Magalia.

*Mineral.*—Wm. S. Williams, Mineral (Exp. Red Bluff).

**Modoc.**—W. G. Durbin, Alturas (WU); Wm. S. Brown, executive assistant; Roscoe B. Weaver, forest examiner; Leland S. Smith, grazing examiner.

*Ranger District: Big Valley.*—A. W. Bramhall, Adin (Exp. Alturas).

*Doublehead.*—Harry Garrison, Malin, Oregon (Exp. Klamath Falls, Oreg.).

*Devil's Garden.*—J. C. Davis, Alturas.

*Happy Camp.*—Ivan A. Cuff, Canby (Exp. Alturas).

*North Warners.*—L. L. Smith, Willow Ranch.

*South Warners.*—Ben L. Johnson, Cedarville (Exp. Alturas).

**Plumas.**—D. N. Rogers, Quincy (WU); Geo. R. Orr, lumberman; John S. Everitt, forest assistant; Wm. S. Price and Frederick H. Schott, scalers; Richard L. Wiley, executive assistant.

*Ranger District: Beckwith.*—A. E. Gould, Blairsden.

*Greenville.*—H. F. Wilcox, Greenville (Exp. Crescent Mills).

*La Porte.*—Wm. Hayes, La Porte (Exp. Oroville).

*Merrimac.*—Fred E. McMurphy, Merrimac (Exp. Oroville).

*Milford.*—W. E. Jotter, forest assistant, Milford (Exp. Doyle).

*Quincy.*—H. A. Kloppenburg, Quincy.

*Yellow Creek.*—W. C. Bader, Chester (Exp. Crescent Mills).

**Santa Barbara.**—Thos. W. Sloan, Santa Barbara (WU, P); Ralph S. Williams, fire chief; Clarence Wiley, executive assistant.

*Ranger District: Coast.*—Walter F. Emerick, Santa Barbara. San Luis Division: Stephen J. Rhyne, Arroyo Grande. Santa Ynez Division: R. G. H. Forsyth, Santa Barbara. Zaco Division: J. L. Libeu, Los Olivos.

*Cuyama.*—Jacinto D. Reyes, Scheideck, via Ozena (Exp. Maricopa).

*Monterey.*—Harry H. Hunt, King City.

*Ojai.*—Virgil C. DeLapp, Ojai.

*Saugus.*—Joseph Hanf, Saugus.

*Tejon.*—F. E. Dunne, Gorman (Exp. Lancaster).

**Sequoia.**—F. P. Cunningham, Porterville (WU, P); Wm. F. Derby, deputy forest supervisor; Lee Slinkard, forest ranger; H. L. Phelps, senior clerk.

*Ranger District: Breckenridge.*—Westley H. Rhodehamel, Caliente.

*Cannell Meadow.*—Ray Stevenson, Isabella (Exp. Caliente).

*Deer Creek.*—W. J. Brown, Hot Springs (Exp. Dueor).

*Greenhorn.*—Robert J. Beard, Glenville (Exp. Bakersfield).

*Kings Canyon.*—C. W. Beardsley, Badger (Exp. Cutler).

*Tule River.*—Wesley Snider, Springville.

**Shasta.**—J. R. Hall, Sisson (WU, P); C. A. Chamberlain, deputy forest supervisor; Belknap C. Goldsmith, forest examiner; L. N. Lorenzen, grazing examiner; Millard M. Barnum, forest assistant; D. D. Harkness, forest ranger; F. C. Porter, senior elerk.

*Ranger District: Mc Cloud.*—L. E. Overmeyer, McCloud.

*Pitt.*—Frank Myers, Carbon (Exp. Bartle).

*Sacramento.*—Leslie T. Solaro, Sisson.

*Scott.*—F. H. Williams, Callahan (Exp. Gazelle).

*Squaw Creek.*—A. E. Noren, Winthrop (Exp. Bully Hill).

*Trinity.*—J. H. Stone, Trinity Center (Exp. Redding).

**Sierra.**—M. A. Bennedit, Northfork (WU Exp. Friant); Burnett Sanford, forest assistant; Roy Boothe and John M. Hughes, forest rangers; J. B. Fletcher, sealer; Mrs Julia T. Shinn, senior elerk.

*Ranger District: Big Creek.*—C. K. Barker, Big Creek (Exp. Cascada).

*Kings River.*—Isaae R. Bays, Pineridge (Exp. Caseada).

*Mariposa.*—Maleolm McLeod, Usona (Exp. Merced).

*Northfork.*—Audie K. Wofford, Northfork (Exp. Friant).

*Pineridge.*—Frank Prie, Auberry.

**Stanislaus.**—J. V. Wulff, Sonora (WU); J. E. Elliott, deputy Forest supervisor; M. R. Brundage, forest assistant; Lucile Weaver, senior elerk.

*Ranger District: American Camp.*—P. Y. Lewis, Columbia (Exp. Sonora).

*Calaveras.*—C. L. Boothe, Murphy (Exp. Angeles Camp).

*Center Camp.*—B. F. Tyler, Confidenee (Exp. Sonora).

*Riverside.*—A. E. Freer, Tuolumne.

*Tuolumne.*—R. L. Kloppenburg, Groveland (Exp. Chinese Camp).

**Tahoe.**—R. L. P. Bigelow, Nevada City (WU); George W. Lyons, forest examiner; Fred J. Dooley, lumberman, E. P. Gleason, forest ranger; Wm. M. Graeey, exeective assistant.

*Ranger District: Camptonville.*—C. E. Whittum, Camptonville (Exp. Nevada City).

*Downieville.*—George E. King, Goodyears Bar (Exp. Nevada City).

*Emigrant Gap.*—C. F. Hurst, Ciseo.

*Foresthill.*— —, Foresthill (Exp. Colfax).

*North Bloomfield.*—Carl T. Larsen, North Bloomfield (Exp. Nevada City).

*Sierraville.*—J. A. McIntosh, Sierraville (Exp. Loyalton).

*Truckee.*—Lee R. DeCamp, Truekee.

**Trinity.**—C. E. Jordan, Weaverville (WU); John T. Gray, deputy forest supervisor; Nellie M. Hennessy, senior elerk.

*Ranger District: Hayfork and Hyampom.*—Harry Everest, Hayfork (Exp. Weaver-ville).

*Lower Trinity.*—F. A. Graham, Willow Creek (Exp. Korbel).

*Upper Trinity.*—W. C. Graham, Weaverville.

*Mad River.*—Iles McNeill, Ruth (Exp. Carlotta).

*Yola Bola.*—Alva Traey, Knob (Exp. Weaverville).

## NEVADA.

- Mono.**—Wm. M. Maule, Minden (WU); Hans R. Jepsen, senior clerk.  
*Ranger District: Alpine.*—W. J. Clark, Markleville, Calif. (Exp. Minden).  
*Bridgeport.*—H. W. Atcheson, Bridgeport, Calif. (Exp. Minden).  
*Mono Lake.*—W. E. Green, Mono Lake, Calif. (Exp. Minden).  
*Sweetwater.*—C. E. Johnson, Sweetwater (Exp. Minden).

## DISTRICT 6.

## NORTH PACIFIC DISTRICT.

- Washington and Oregon. Office, Post Office Building, Portland, Oreg.  
 GEO. H. CECIL, district forester.  
 PUBLIC RELATIONS.—John D. Guthrie.  
 LAW.—Office of the Solicitor (Forest Service branch). W. F. Staley, assistant to the solicitor.  
 ACCOUNTS.—A. H. Cousins, chief of office and fiscal agent; H. J. Weil, district fiscal agent.  
 OPERATION.—A. O. Waha, assistant district forester; Shirley Buck, national forest inspector.  
 FIRE PROTECTION.—W. B. Osborne, jr., forest examiner.  
 IMPROVEMENT.—  
 TELEPHONE ENGINEERING.—C. M. Allen, telephone engineer.  
 LAW ENFORCEMENT.—T. M. Talbott, national forest examiner.  
 INSPECTION OF PROTECTION OF OREGON & CALIFORNIA RAILROAD LANDS.—R. H. Chapler, forest examiner.  
 STATE COOPERATIVE FIRE PROTECTION UNDER THE WEEKS LAW.—R. H. Chapler and A. H. Wright, national forest examiners.  
 MAINTENANCE.—H. G. Whitney.  
 FOREST MANAGEMENT.—Fred Ames, assistant district forester.  
 TIMBER SALES.—Thornton T. Munger, forest examiner.  
 LOGGING ENGINEERING.—Bruce E. Hoffman, logging engineer; Geo. L. Drake, forest examiner.  
 CHECK SCALING.—E. C. Erickson, lumberman.  
 TIMBER SURVEYS AND WORKING PLANS.—C. J. Conover and George A. Bright, forest examiners.  
 INSECT CONTROL.—A. J. Jaenicke, forest examiner.  
 FOREST PATHOLOGY.—John S. Boyce, consulting pathologist.  
 PLANTING AND FOREST INVESTIGATIONS.—J. F. Kümmel and W. H. Leve, forest examiners.  
 GRAZING.—E. N. Kavanaugh, assistant district forester; J. L. Peterson, grazing examiner.  
 STUDIES.—D. C. Ingram, grazing examiner.  
 LANDS.—C. J. Buck, assistant district forester.  
 CLAIMS.—W. M. H. Woodward, mineral examiner.  
 LAND CLASSIFICATION.—F. W. Cleator, forest supervisor.  
 LAND EXCHANGES.—Ryle Teed, national forest examiner.



ENGINEERING.—Philip H. Dater, district engineer.

MAPS AND SURVEYS.—George W. Root.

Entry Surveys.—George W. Root, E. R. Johnson.

ROADS.—Philip H. Dater, Cecil A. Lord.

WATER POWER.—Philip H. Dater.

PRODUCTS.—W. H. Gibbons, forest examiner; C. W. Gould, forest examiner, Portland; C. W. Zimmerman and H. C. Stinson, engineer and assistant engineer in forest products, Seattle.

## NATIONAL FORESTS.

### OREGON.

**Cascade.**—N. F. Macduff, Eugene (WU, P); Harvey E. Vineent, deputy forest supervisor; E. H. Hall, forest examiner; A. T. Moses, senior elerk.

*Ranger District: McKenzie Bridge.*—S. L. Taylor, deputy supervisor, McKenzie Bridge.

*West Boundary.*—C. B. McFarland, Landax.

*Oakridge.*—Roy Parks, Oakridge.

**Crater.**—H. B. Rankin, Medford (WU, P); Fred A. Matz, national forest examiner; H. M. Johnson, forest examiner; E. V. Cook, senior elerk.

*Ranger District: Rouge River.*—A. T. Poole, Trail.

*Butte Falls.*—E. C. Peachey, Butte Falls.

*Dead Indian.*— ———.

*Applegate.*—Lee C. Port, Jacksonville.

**Deschutes.**—H. L. Plumb, Bend (WU, P); W. O. Harriman, deputy forest supervisor; F. V. Horton, grazing examiner; J. W. Collette, senior elerk.

*Ranger District: Sisters.*—P. A. South, Sisters.

*Bend,*— ———, Bend.

*La Pine.*— ———, La Pine.

*Crescent.*—G. A. Howard, Creseent.

*Fort Rock.*—Roy Mitchell, Fort Rock.

**Fremont.**—Gilbert D. Brown, Lakeview (WU, Reno, Nev., P); Lawrence Frizzell, forest ranger.

*Ranger District: Warner.*—P. V. Ingram, Lakeview.

*Dog Lake.*—J. G. C. Elgan, Lakeview.

*Bly.*—Norman C. White, Lakeview.

*Paisley.*—Ben Young, Paisley.

**Malheur.**—C. C. Reid, John Day (WU, Exp. Baker); Samuel R. Bennett, administrative assistant.

*Ranger District: Crane Prairie.*—T. M. Ray, Prairie City.

*Crow Flat.*—Cecil R. Bennett, Burns.

*Bear Valley.*—J. B. McEntire, Logdell.

*Hyiu.*—F. V. Bradford, Long Creek.

**Ochoco.**—V. V. Harpham, Prineville (WU, PT, & T); W. A. Donnelly, administrative assistant; Hattie Goodknight, senior elerk.

*Ranger District: Beaver-Maury.*—C. F. Congleton, Paulina.

*Mill Creek.*—J. O. F. Anderson, Prineville.

*Pisgah.*—G. C. Blake, Mitchell.

*Antone.*—Ralph Elder, Antone.

*Snow Mountain.*—E. W. Donnelly, Suplee.



**Oregon.**—T. H. Sherrard, Post Office Building, Portland (WU, P); Carl B. Neal, forest supervisor; A. G. Jackson, forest examiner; M. V. Livingston, senior clerk.

*Ranger District: Hood River.*—S. C. Walters, Mount Hood.

*Columbia.*—M. J. Brown, Cascade Locks.

*Bull Run.*—C. L. Henson, Welches.

*Summit.*—John A. Calverly, Rhododendron.

*White River.*—T. R. Brown, Friend.

*Clackamas.*—Joe A. Graham, deputy forest supervisor, Wapinitia.

*Collawash.*—R. T. Carter, Estacada.

*Eagle Creek Camp Grounds.*—Albert Wiesendanger, Cascade Locks.

**Santiam.**—C. C. Hall, Albany (WU, P); Ivy Boeck, senior clerk.

*Ranger District: Detroit.*—H. G. White, Detroit.

*Cascadia.*—R. A. Elliott, Cascadia.

**Siskiyou.**—E. H. MacDaniels, Grants Pass (WU, P); H. E. Haefner, forest examiner; J. P. DeWitt, administrative assistant; F. I. Abrams, senior clerk.

*Ranger District: Agness.*—A. F. Van Deventer, Illahe.

*Galice.*—M. C. Page, Merlin.

*Page Creek.*—M. M. Lewis, Takilma.

*Chico.*—J. F. Campbell, Smith River, Calif.

*Gasquet.*—G. S. Case, Waldo.

**Siuslaw.**—Ralph S. Shelley, Eugene (WU, P); A. R. Wilcox, forest examiner; Mildred G. Sinnott, senior clerk.

*Ranger District: Hebo.*—L. E. Garwood, Hebo.

*Waldport.*—M. S. Durbin, Waldport.

*Florence.*—P. N. Stephenson, Florence.

*Gardiner.*—D. G. Knox, Gardiner.

*Mapleton.*—E. S. Kerby, Mapleton.

**Umatilla.**—John C. Kuhns, Pendleton (WU, P); R. A. Botcher, deputy forest supervisor; Robert W. Thomas, senior clerk.

*Ranger District: Asotin.*—Albert Baker, Pomeroy, Wash.

*Touchet.*—W. H. Kendall, Dayton, Wash.

*Walla Walla.*—C. L. Keithley, Walla Walla, Wash.

*Grande Ronde.*—F. W. Kendall, La Grande.

*Spray.*—C. R. Langdon, Monument.

*Gurdane.*—S. R. Woods, Girdane.

*Ukiah.*—W. W. Allison, Ukiah.

*Albee.*—P. W. Robbins, Pilot Rock.

**Umpqua.**—W. F. Ramsdell, Roseburg (WU, P); George Bonebrake, deputy forest supervisor; W. C. Keyes, executive assistant.

*Ranger District: Bohemia.*—E. S. Holderman, Disston.

*North Umpqua.*—Fred Asam, Glide.

*South Umpqua.*—H. U. Cochran, Tiller.

*Dimond Lake.*—O. C. Houser, Roseburg.

**Wallowa.**—Nelson J. Billings, Wallowa (WU); C. H. Thorp, executive assistant.

*Ranger District: Bear Creek.*—L. G. Smith, Wallowa.

*Joseph.*—J. F. McClain, Joseph.

*Imnaha.*———.

*Snake River.*—R. H. Harper, Imnaha. .

*Chesnimnus.*—Geo. E. Stevenson, Enterprise.

*Sled Springs.*—L. A. Carpenter, Enterprise.

**Whitman.**—R. M. Evans, I. E. Jones, J. F. Irwin, and Otto Zimmerli, forest supervisors, Baker (WU); C. W. Waterbury, lumberman; Walt. L. Dutton, grazing examiner; H. T. Gisborne, forest assistant.

*Ranger District: Sumpter.*—Rolland Huff, Sumpter.

*North Powder.*—A. G. Angell, North Powder.

*Desolation.*—Geo. O. Langdon, Ukiah.

*Austin.*—Dan W. Fisk, Austin.

*Burnt River.*—Lloyd M. Judy, Unity.

*Pine.*—W. D. Foreman, Halfway.

*Eagle.*—Clyde O. Bloom, Medical Springs.

*Grande Ronde.*—Paul M. Ellis, Cove.

#### WASHINGTON.

**Chelan.**—P. T. Harris, Okanogan (PT & T, WU); G. E. Mitchell, forest supervisor; L. A. Isaac, forest assistant; W. A. Steiner, senior clerk.

*Ranger District: Loomis.*—H. S. Albertson, Loomis.

*Conconully.*—R. B. Pierpont, Conconully.

*Sweat Creek.*—W. F. Burge, Okanogan.

*Squaw Creek.*—R. E. Grantham, Pateros.

*Alder Creek.*—J. G. Burghardt, Twisp.

*Eight Mile.*—A. R. Tyler, Winthrop.

*Stehekin.*———.

*Chelan.*—F. F. Wehmeyer, Chelan.

**Columbia.**—F. H. Brundage, Post Office Building, Portland, Oreg. (WU, P); H. M. White, national forest inspector; Zella A. Zeigler, senior clerk. Wind River Nursery, W. F. Will, forest ranger, Carson.

*Ranger District: Mount Adams.*—J. M. Mann, Guler.

*Wind River.*—C. W. Welty, Carson.

*Spirit Lake.*—H. A. Welty, St. Helens.

**Colville.**—Lawrence B. Pagter, Republic (WU, P); W. J. Sproat, forest examiner; E. H. Wheeler, administrative assistant; T. F. Barrett, executive assistant.

*Ranger District: Marcus.*—A. W. Eastman, Marcus.

*Danville.*—Arthur Radigan, Danville.

*Republic.*—L. L. Hougland, Republic.

*Orient.*—P. A. Thompson, Orient.

*Chesaw.*—R. E. Foote, Chesaw.

**Olympic.**—R. L. Fromme; O. F. Erickson, forest supervisor, Olympia (WU, P); W. F. Paeth, forest examiner; Clarence M. Adams, executive assistant.

*Ranger District: Port Angeles.*—Chris Morgenroth, deputy forest supervisor, Port Angeles.

*Quilcene.*—Joseph W. Fulton, Quilcene.

*Hoodsport.*—R. A. Hilligoss, Hoodsport.

*Quinault.*—D. G. Hartsuck, Olsen.

**Rainier.**—G. F. Allen, Tacoma (WU, P); E. J. Fenby and Geo. E. Griffith, deputy forest supervisors; A. A. Griffin, forest examiner.

*Ranger District: Lower Cowlitz.*—John Kirkpatrick, Randle.

*Upper Cowlitz.*—William Sethe, Lewis.

*Tilton.*—Jules Hagon, Morton.

*Nisqually.*———.

*Carbon.*—R. J. O'Farrell, Fairfax.

*Naches.*—H. Croxford, Nile.

*Ticton.*—Mark Brunn, Naches.

**Snoqualmie.**—W. G. Weigle, Seattle (WU, P); Lewis A. Treen, jr., forest supervisor; Frank B. Kellogg, forest examiner; E. E. Whitaker, senior clerk.

*Ranger District: Darrington.*—J. R. Bruckart, Darrington.

*Silverton.*—R. M. Filloon, Silverton.

*Skykomish.*—Geo. E. Sawyer, Skykomish.

*Lester.*—J. W. Lundin, Lester.

**Washington.**—C. H. Park, Bellingham (WU, P); R. L. Campbell, forest supervisor.

*Ranger District: North Fork Nooksack.*—G. C. Burch, Glacier.

*Baker River.*—Chas. M. Bagnell, Concrete.

*Finney Creek-Suiattle.*—Dick Sullivan, Darrington.

*Skagit River.*—Thomas Thompson, Marblemount.

**Wenatchee.**—A. H. Sylvester, Wenatchee (WU); H. D. Foster, forest examiner; F. B. Lenzie, grazing examiner; E. L. Springer, executive assistant.

*Ranger District: Lake Wenatchee.*—R. E. Nickles, Winton.

*Chiwaukum.*—Oscar F. Bergman, Winton.

*Leavenworth.*—John S. Brender, Leavenworth.

*Cashmere.*—Lee F. Chartrand, Cashmere.

*Liberty.*—S. A. Blankenship, Cle Elum.

*Easton.*—H. C. Blankenship, Easton.

*Entiat.*—James McKenzie, Entiat.

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## DISTRICT 7.

### EASTERN DISTRICT.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, district forester.

ACCOUNTS.—J. H. Kerrick, district fiscal agent.

OPERATION.—H. O. Stabler, assistant district forester.

ENGINEERING.—John W. Fox, district engineer.

FOREST MANAGEMENT.—I. F. Eldredge, assistant district forester.

LOGGING ENGINEERING.—E. V. Clark, logging engineer.

TIMBER SURVEYS AND MANAGEMENT PLANS.—Arnold C. Shaw, forest examiner; J. B. Merrill and John Wasilik, jr., forest assistants.

LANDS.—C. G. Smith, assistant district forester.

ACQUISITION.—Rudolph Dieffenbaech, forest inspector; L. L. Bishop, forest supervisor, Warren, Pa.

Law.—A. H. McConville, attorney, office of the Solicitor, Washington, D. C. Title attorneys and special assistants to the United States attorneys: M. B. Stiekley, Washington, D. C.; W. L. Newman, Woodstock, Va.; John C. Forney, Moulton, Ala. Title attorneys: George E. Taylor, Bristol, Tenn.; Alfred S. Grigg, Johnson City, Tenn.; Julius C. Fletcher, Lenoir, N. C.; John Awtrey, Clayton, Ga.; Pierce R. Massie, Lynchburg, Va.; H. A. Lamprey, Woodsville, N. H.; John W. Van Hoy, Mena, Ark.

## NATIONAL FORESTS.

### ALABAMA.

**Alabama.**—Burley M. Lufburrow, acting forest supervisor, Moulton (WU).

*Ranger District: Alabama.*—H. J. McDowell, Moulton.

### ARKANSAS.

**Arkansas.**—Charles A. Plymale, Hot Springs (WU); W. E. White, forest examiner; J. A. Bateman, national forest examiner; Eunice L. Brown, clerk.

*Ranger District: Womble.*—Abner Casey, Womble.

*Jessieville.*—George Howell, Jessieville (Exp. Hot Springs).

*Umphers.*—Charles Christian, Rover (Exp. Plainview).

*Cold Springs.*—George W. Casey, Cardiff (Exp. Waldron).

*Oden.*—T. E. Hale, Oden (Exp. Womble).

*Eagleton.*—S. C. Payne, Rich Mountain.

*Shady.*—Guy Cox, Shady (Exp. Mena).

**Ozark.**—Ben F. Vaughan, Russellville (WU); William P. Dale, national forest examiner; T. T. Hall, clerk.

*Ranger District: Sylamore.*—Hugh R. Moore, Mountain View (Exp. Sylamore).

*Bayou.*—George D. Russell, Okay, (Exp. Atkins).

*Pleasant Hill.*—J. W. McPherson, Lurton (Exp. Russellville).

*Piney.*—James A. Mason, Fort Douglas (Exp. Clarksville).

*White Rock.*—Charles W. Fritts, Cass (Exp. Ozark).

### FLORIDA.

**Florida.**—W. F. Hill, Pensacola (WU, P); Eva Berlin, clerk.

*Ranger District: Camp Pinchot.*—E. R. McKee, deputy forest supervisor, Valparaiso (Exp. Crestview).

*East Bay.*—Otis B. Fort, Holly.

*Mossyhead.*—J. E. Clark, Mossyhead.

*Bayou.*—G. B. Anchors, Valparaiso (Exp. Crestview).

*Ocala.*—C. H. Rogers, deputy forest supervisor, Lynne (Exp. Ocala).

### NEW HAMPSHIRE.

**White Mountain.**—J. J. Fritz, Gorham (WU, P); H. R. Currier, deputy forest supervisor; H. S. Davis, forest examiner; E. D. Fletcher and K. E. Kimball, national forest examiners; F. A. Gardner, examiner of surveys; Helen Brooks, clerk.

*Ranger District: Gorham.*—Erich F. Stuewe, Gorham.

*Twin Mountain.*—Truman E. Hale, Pierce Bridge.

*Kilkenny.*—Walter E. Chatfield, forest guard, Gorham.

*Bartlett.*—C. E. Beals, jr., Bartlett.

*Woodstock.*—George E. Spinney, Woodstock.



## NORTH CAROLINA.

**Nantahala.**—R. W. Shields, Franklin (WU); S. M. Shanklin, deputy forest supervisor; C. E. Beaumont, forest examiner; W. N. Sloan, examiner of surveys; Mamie B. Horsley, elerk.

*Ranger District: Clayton.*—R. C. Nicholson, Clayton, Ga.

*Highlands.*—J. E. Potts, Highlands.

*Nantahala.*—R. C. Brown, Franklin.

**Pisgah** (includes Boone National Forest, north half of Nantahala Purchase Area, and Pisgah National Forest).—Verne Rhoades, Asheville (WU, P); Meriam A. Mattoon and Ira T. Yarnall, forest examiners; James Denman, examiner of surveys; P. M. Hodgkins, forest assistant; Belle M. Morrison, elerk.

*Ranger District: Davidson River.*—Leory O'Kelley, Pisgah Forest.

*Bent Creek.*—Clarence L. Fink, Biltmore.

*Big Ivy.*—J. O. Brigman, Pisgah Forest.

*Catawba.*—J. H. Young, Old Fort.

*Buck Creek-South Toe.*—George M. Bird, Garden City (Exp. Marion).

*Wilson Creek.*—Monroe Coffey, Edgemont.

## OKLAHOMA.

**Wichita.**—Frank Rush, Cache (WU); May Rush, elerk.

*Ranger District: Wichita.*—Leo Hawthorne, Cache.

## PORTO RICO.

**Luquillo.**—E. Murray Bruner, forest examiner, Rio Piedras.

## TENNESSEE.

**Cherokee.**—S. H. Thompson, Athens (WU); Rezin E. Pidgeon, examiner of surveys; Carlton L. Perkins, forest assistant; Crawford Du Pree, elerk.

*Ranger District: Lower Toccoa.*—D. E. Edmondson, Margret, Ga. (Exp. Blue Ridge, Ga.).

*Upper Toccoa.*—W. A. Woody, Sarah, Ga. (Exp. Blue Ridge, Ga.).

*West Ocoee.*—W. C. Chable, assistant forest ranger, Doogan, Ga. (Exp. Benton).

*East Ocoee.*—W. P. Dunean, Postelle (Exp. Duektown).

*Hiwassee.*—Leland Fouts, McFarland.

**Unaka.**—H. L. Russell, Bristol (WU); W. E. Hedges, national forest examiner; A. A. Riemer and C. F. Muzzey, examiners of surveys; Frank T. Murphey, forest examiner; Lloyd O. Graff, forest assistant; Bessie M. Thompson, elerk.

*Ranger District: Damascus.*—H. R. Koen, Damaseus, Va.

*Shady.*—G. S. Blevins, Crandull (Exp. Damascus, Va.).

*Carter.*—G. W. Cole, Carter.

*Erwin.*—R. T. Reed, Erwin.

## VIRGINIA.

**Natural Bridge.**—J. H. Fahrenbach, Beuna Vista (WU); H. M. Sears, forest examiner; A. R. Kihney and P. G. Jenney, examiners of surveys; Simeon D. Anderson and Everett B. Stone, jr., forest assistants; S. B. Helms, elerk.

*Ranger District: Glenwood.*—J. W. McNair, Natural Bridge Station.

*Pedlar.*—Thomas A. Wilson, Buena Vista.

**Shenandoah.**—S. H. Marsh, Harrisonburg (WU); W. H. Stoneburner, deputy forest supervisor, Edinburg (WU); E. R. Conrad, examiner of surveys; Clarence H. Burrage, forest assistant; Helen W. Gordon, clerk.

*Ranger District: Deerfield.*—H. B. Eye, Deerfield.

*North River.*—J. William Bowman, Bridgewater.

*Potomac.*—Arthur A. Wood, Lost River, W. Va.

*Massanutten.*—John W. Crisman, assistant forest ranger, Edith.

#### WEST VIRGINIA.

**Monongahela.**—H. L. Johnson, Elkins (WU); W. H. Sullivan, examiner of surveys.

*Ranger District: Dry Fork.*—Charles E. Long, Gladwin.

## DISTRICT 8.

### ALASKA DISTRICT.

Alaska. Office, Juneau, Alaska.

CHAS. H. FLORY, district forester; M. L. Merritt, assistant district forester; B. F. Heintzleman, logging engineer; Wellman Holbrook, national forest examiner; Lyle Blodgett, pilot and gas engineer.

ACCOUNTS.—Louis King, special fiscal agent.

### NATIONAL FORESTS.

#### ALASKA.

**Chugach.**—C. T. Beach, forest supervisor, Cordova (WU, P); L. C. Pratt, senior clerk.

*Ranger District: Cordova.*—W. J. MacDonald, deputy forest supervisor, Cordova.

*Katalla.*—O. A. Strand, Katalla.

*Seward.*—G. C. Haneman, Anchorage.

**Tongass.**—Charles T. Gardner, forest supervisor, Ketchikan (SC, U. S. A., WU); Robert A. Zeller, forest examiner; Marion C. Thompson, senior clerk.

*Ranger District: Ketchikan.*—J. M. Wyckoff, Ketchikan.

*Petersburg.*—J. L. MacKechnie, deputy forest supervisor, Petersburg.

*Juneau.*—J. P. Williams, Juneau.

*Sitka.*—George H. Peterson, deputy forest supervisor, Sitka.

*Craig.*—H. E. Smith, Craig.

